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 Chati Z, Zannad F, Robin-Lherbier B, Escanyé J-M, Jeandel C, Robert J, Aliot E. Contribution of specific skeletal muscle metabolic abnormalities to limitation of exercise capacity in patients with chronic heart failure: a phosphorus 31 nuclear magnetic resonance study. 1994;128:781-92  
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- Dhala A, Bremner S, Deshpande S, Blanck Z, Natale A, Sra J, Jazayeri M, Akhtar M. Efficacy and safety of atrioventricular nodal modification for atrioventricular nodal reentrant tachycardia in the pediatric population. 1994;128:903-7
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- Scopinaro F, Agati L, Penco M, Serri F, Vitarelli A, Dagianti A. Identification of viable myocardium in patients with chronic coronary artery disease and left ventricular dysfunction: role of magnetic resonance imaging. 1994;128:484-9
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- Gabl C (see Friedrich et al). 1994;128:435-41
- Galichia JP (see Twidale et al). 1994;128:839-41 (Brief comm.)
- Galli M, Marcassa C, Thallum-201 redistribution after early re-injection in patients with severe stress perfusion defects and ventricular dysfunction. 1994;128:41-52
- Gallo P (see Pelliccia et al). 1994;128:316-25
- Gamache MC (see Underwood et al). 1994;128:1241-5 (Brief comm.)
- Gamra H, Zhang HP, Clugston RA, Whittaker P, Allen JW, Lau FYK, Ruiz CE. Thermomodulation left-sided cardiac output for valve area determination after balloon mitral valvotomy. 1994;128:934-40
- Gardin JM, Wong N, Alker K, Hale SL, Paynter J, Knoll M, Jamison B, Patterson M, Kloner RA. Acute cocaine administration induces ventricular regional wall motion and ultrastructural abnormalities in an anesthetized rabbit model. 1994;128:1117-29
- Gasior TA (see Katz et al). 1994;128:389-96 (Prog. cardiol.)
- Gayle M (see Lopaschuk et al). 1994;128:61-7
- Gemelli M (see Brunazzi et al). 1994;128:293-300
- Gentles TL, Rosenfeld HM, Sanders SP, Laussen PC, Burke RP, van der Velde ME. Pediatric diaphragmatic transesophageal echocardiography: preliminary experience. 1994;128:1225-33 (Prog. cardiol.)
- Germano G (see Matzer et al). 1994;128:1067-76
- Gershlick AH (see More et al). 1994;128:681-6
- Gibson CM (see Ahmed et al). 1994;128:252-5
- Gill JS, de Belder M, Ward DE. Right ventricular outflow tract ventricular tachycardia associated with an aneurysmal mal-



- formation: use of transesophageal echocardiography during low-energy direct-current ablation. 1994;128:620-3 (Brief comm.)
- Gilliam LD (see Mitchel et al). 1994;128:21-7
- Gillum RF. Dental disease and coronary artery disease. 1994;128:1267 (Letter)
- Giommi L (see Brunazzi et al). 1994;128:293-300
- Giraldi F (see Salvioni et al). 1994;128:472-6
- Giunta A (see Santinelli et al). 1994;128:816-20 (Brief comm.)
- Glasser SP (see Mangione and Glasser). 1994;128:137-46 (Curriculum cardi.)
- Gleim GW (see Coplan et al). 1994;128:416-8 (Brief comm.)
- Globerman O (see Grenadier et al). 1994;128:870-8
- Goad JL (see Prince et al). 1994;128:36-41
- Goicolea J (see Alfonso et al). 1994;128:244-51
- Goldberg RJ (see Yarzelski et al). 1994;128:255-63
- Goldberger AL, Bungo MW, Baevsky RM, Bennett BS, Rigney DR, Mietus JE, Nikulina GA, Charles JB. Heart rate dynamics during long-term space flight: report on Mir cosmonauts. 1994;128:202-4 (Brief comm.)
- Goldberger MH (see Ben-Zur et al). 1994;128:617-20 (Brief comm.)
- Goldner B (see Grossman et al). 1994;128:516-9
- Goldschmidt-Clermont PJ (see Kamp et al). 1994;128:1234-7 (Brief comm.)
- Gonzalez RP, Scheinman MM, Lesh MD, Helmy I, Torres V, Van Hare GF. Clinical and electrophysiologic spectrum of fascicular tachycardias. 1994;128:147-56 (Prog. cardi.)
- Gorcsan J III (see Katz et al). 1994;128:389-96 (Prog. cardi.)
- Gore JM (see Pape et al). 1994;128:406-9 (Brief comm.)
- (see Yarzelski et al). 1994;128:255-63
- Gosselin G (see Kostis et al). 1994;128:358-64
- Goto A (see Sato et al). 1994;128:733-41
- Gottdiener JS (see Krantz et al). 1994;128:703-12
- Gottlieb SS (see Lang et al). 1994;128:551-6
- Goudreau E (see DiSciascio et al). 1994;128:419-26
- Grazi S (see Salvioni et al). 1994;128:472-6
- Greenberg MA (see Charney et al). 1994;128:864-9
- Greenwald L, Becker RC. Expanding the paradigm of the renin-angiotensin system and angiotensin-converting enzyme inhibitors. 1994;128:997-1009 (Curriculum cardi.)
- Gregory E (see Massey et al). 1994;128:831-3 (Brief comm.)
- Grenadier E, Shofti R, Beyar M, Lichtig H, Mordechowitz D, Globerman O, Markiewicz W, Beyar R. Self-expandable and highly flexible nitinol stent: immediate and long-term results in dogs. 1994;128:870-8
- Grimm W, Miller J, Josephson ME. Successful and unsuccessful sites of radiofrequency catheter ablation of accessory atrioventricular connections. 1994;128:77-87
- Grogan EW Jr (see Nwosu et al). 1994;128:106-13
- Gross JN (see Ben-Zur et al). 1994;128:617-20 (Brief comm.)
- Grossman DS, Cohen TJ, Goldner B, Jadonath R. Pseudorecurrence of paroxysmal supraventricular tachycardia after radiofrequency catheter ablation. 1994;128:516-9
- Grover-McKay M, Weiss RM, Vandenberg BF, Burns TL, Weidner GJ, Winniford MD, Stanford W, McKay CR. Assessment of cardiac volumes and left ventricular mass by cine computed tomography before and after mitral balloon commissurotomy. 1994;128:533-9
- Guazzi MD (see Salvioni et al). 1994;128:472-6
- Guiraudon CM (see Guiraudon et al). 1994;128:982-9
- Guiraudon GM, Thakur RK, Klein GJ, Yee R, Guiraudon CM, Sharma A. Encircling endocardial cryoablation for ventricular tachycardia after myocardial infarction: experience with 33 patients. 1994;128:982-9
- Guo R (see Pearson et al). 1994;128:344-51
- Gürsoy S (see Steurer et al). 1994;128:908-11
- H**
- Habib GB, Mann DL, Zoghbi WA. Normalization of cardiac structure and function after regression of cardiac hypertrophy. 1994;128:333-43
- Haddad J (see Rao et al). 1994;128:1022-35 (Prog. cardi.)
- Hale SL (see Gardin et al). 1994;128:1117-29
- Handler C (see Senior et al). 1994;128:713-8
- Hannan EL, Burke J. Effect of age on mortality in coronary artery bypass surgery in New York, 1991-1992. 1994;128:1184-91
- Hano O (see Centurion et al). 1994;128:88-95
- Hansen A (see Petersen et al). 1994;128:511-6
- Hanson MW (see Brezinski et al). 1994;128:181-5 (Brief comm.)
- Hanson P (see Nwosu et al). 1994;128:106-13
- Hara K (see Ishizaka et al). 1994;128:691-6
- Harada K (see Sato et al). 1994;128:733-41
- Hardy CE, Helton GJ, Kondo C, Higgins SS, Young NJ, Higgins CB. Usefulness of magnetic resonance imaging for evaluating great-vessel anatomy after arterial switch operation for D-transposition of the great arteries. 1994;128:326-32
- (see Duerinckx et al). 1994;128:1139-46
- Hare J (see Avitall et al). 1994;128:833-6 (Brief comm.)
- Hariman RJ, Bremner S, Louie EK, Rogers WJ, Kostis JB, Nocero MA, Jones JP. Dose-response study of intravenous torsemide in congestive heart failure. 1994;128:352-7
- (see Louie et al). 1994;128:1084-91
- Harrison JK (see Brezinski et al). 1994;128:181-5 (Brief comm.)
- Hartford M (see Karlsson et al). 1994;128:477-83
- Hartnell GG (see Waxman et al). 1994;128:1047-9 (Brief comm.)
- Hasegawa H (see Ishii et al). 1994;128:641-8
- Hasenkam JM (see Sloth et al). 1994;128:1130-8
- Hashimoto K (see Nakamura et al). 1994;128:1164-9
- Hasse C (see Strickberger et al). 1994;128:226-9
- Haught WH, Bertollet BD, Conti JB, Curtis AB, Mills RM Jr. Theophylline reverses high-grade atrioventricular block resulting from cardiac transplant rejection. 1994;128:1255-7 (Brief comm.)
- Hausdorf G (see Rao et al). 1994;128:1022-35 (Prog. cardi.)
- Hausmann D, Lundkvist A-JS, Friedrich GJ, Mullen WL, Fitzgerald PJ, Yock PG. Intracoronary ultrasound imaging: intraobserver and interobserver variability of morphometric measurements. 1994;128:674-80
- (see Friedrich et al). 1994;128:435-41
- Hayashi Y, Ikeda U, Ogawa T, Miyashita H, Sekiguchi H, Arahata K, Shimada K. Becker-type muscular dystrophy associated with hypertrophic cardiomyopathy. 1994;128:1264-6 (Brief comm.)
- Hedges SM (see Krantz et al). 1994;128:703-12
- Helmy I (see Gonzalez et al). 1994;128:147-56 (Prog. cardi.)
- Helton G (see Duerinckx et al). 1994;128:1139-46
- (see Hardy et al). 1994;128:326-32
- Heng MK (see Fahmy et al). 1994;128:1257-9 (Brief comm.)
- Hennekens CH. Platelet inhibitors and antioxidant vitamins in cardiovascular disease. 1994;128:1333-6 (Symposium)
- Herlitz J (see Karlsson et al). 1994;128:477-83
- Hernandez R (see Alfonso et al). 1994;128:244-51
- Hesse B (see Petersen et al). 1994;128:511-6
- Higgins CB (see Duerinckx et al). 1994;128:1139-46
- (see Hardy et al). 1994;128:326-32
- Higgins SS (see Duerinckx et al). 1994;128:1139-46
- (see Hardy et al). 1994;128:326-32
- Hill JA (see Bertollet et al). 1994;128:185-8 (Brief comm.)
- Hill VE (see Shirani et al). 1994;128:1043-4 (Brief comm.)
- Hillege H (see den Heijer et al). 1994;128:656-53
- Hilwig R (see Kern et al). 1994;128:490-9
- Hines DK (see Wolff et al). 1994;128:542-50
- Hiramori K (see Nakamura et al). 1994;128:1164-9
- Hirata T (see Centurion et al). 1994;128:88-95
- Hishida H (see Ishii et al). 1994;128:641-8
- Hiyama K (see Ikeda et al). 1994;128:1091-8
- Ho GM, Eisenberg MJ, Schiller NB. Variation of blood flow in the thoracic aorta during cardiac tamponade. 1994;128:190-3 (Brief comm.)
- Hoit BD, Burwig S, Eppert D, Bhat G, Walsh RA. Effects of a novel inotropic agent (OPC-18790) on systolic and diastolic function in patients with severe heart failure. 1994;128:1156-63
- Hori M (see Lim et al). 1994;128:649-56
- Horimoto M, Takenaka T, Igarashi K, Batra S. Alteration of phasic flow-velocity pattern during occlusive coronary artery spasm. 1994;128:1259-64 (Brief comm.)
- Hornberger LK (see Yeager et al). 1994;128:397-405 (Prog. cardi.)
- Houliand KC (see Sloth et al). 1994;128:1130-8
- Hsieh I-C (see Wang et al). 1994;128:219-26
- Hu G (see Wang et al). 1994;128:380-8 (Prog. cardi.)
- Huang S-C (see Müller et al). 1994;128:52-60
- Huikuri V (see Peuhkurinen et al). 1994;128:96-105
- Hunt SA (see Kemna et al). 1994;128:68-72
- Hwang MH (see Louie et al). 1994;128:1084-91
- Hyson D (see Amsterdam et al). 1994;128:1344-52 (Symposium)
- I**
- Iacoboni C (see Agati et al). 1994;128:28-35



- Ide M (see Tanabe et al). 1994;128:956-65  
— (see Tomoda et al). 1994;128:452-8  
Igarashi K (see Horimoto et al). 1994;128:1259-64 (Brief comm.)  
Ikari Y (see Ishizaka et al). 1994;128:691-6  
Ikeda H, Nakayama H, Oda T, Kuwano K, Yamaga A, Ueno T, Yoh M, Hiymuta K, Koga Y, Toshima H. Neutrophil activation after percutaneous transluminal coronary angioplasty. 1994;128:1091-8  
Ikeda U (see Hayashi et al). 1994;128:1264-6 (Brief comm.)  
Inagami T (see Velasco et al). 1994;128:441-51  
Indolfi C, Piscione F, Rapacciuolo A, Esposito G, Esposito N, Ceravolo R, Di Lorenzo E, Maione AG, Condorelli M, Chiariello M. Coronary artery vasoconstriction after successful single angioplasty of the left anterior descending artery. 1994;128:858-64  
Iniguez A (see Alfonso et al). 1994;128:244-51  
Isaaz K, Bruntz JF, Paris D, Etchevenot G, Aliot E. Abnormal coronary flow velocity pattern in patients with left ventricular hypertrophy, angina pectoris, and normal coronary arteries: a transesophageal Doppler echocardiographic study. 1994;128:500-10  
Isaka N, Araki S, Shibata M, Takebayashi S, Yada T, Konishi T, Nakano T. Reversal of coronary artery occlusions in allergic granulomatosis and angitis (Churg-Strauss syndrome). 1994;128:609-13 (Brief comm.)  
Ishii J, Nomura M, Ando T, Hasegawa H, Kimura M, Kurokawa H, Iwase M, Kondo T, Watanabe Y, Hishida H, Sotohata I, Mizuno Y. Early detection of successful coronary reperfusion based on serum myoglobin concentration: comparison with serum creatine kinase isoenzyme MB activity. 1994;128:641-8  
Ishikawa M (see Nakamura et al). 1994;128:1164-9  
Ishizaka N, Ikari Y, Hara K, Saeki F, Ishizaka Y, Degawa T, Nakamura M, Sakatani H, Tamura T, Yamaguchi T. Angiographic follow-up of patients after transluminal coronary extraction atherectomy. 1994;128:691-6  
Ishizaka Y (see Ishizaka et al). 1994;128:691-6  
Isomoto S (see Centurion et al). 1994;128:88-95  
Iwanaga S (see Chou et al). 1994;128:237-43  
Iwase M (see Ishii et al). 1994;128:641-8  
Izumi F (see Abe et al). 1994;128:911-8
- J**
- Jackson EK (see Velasco et al). 1994;128:441-51  
Jacobs LE (see Movsowitz et al). 1994;128:1210-7 (Curriculum cardiol.)  
Jacobs SC, Friedman R, Parker JD, Toffler GH, Jimenez AH, Muller JE, Benson H, Stone PH. Use of skin conductance changes during mental stress testing as an index of autonomic arousal in cardiovascular research. 1994;128:1170-7  
Jadonath R (see Grossman et al). 1994;128:516-9  
Jaffry S (see Rady et al). 1994;128:774-81  
Jain A (see Jain et al). 1994;128:664-73  
Jain SP, Jain A, Collins TJ, Ramee SR, White CJ. Predictors of restenosis: a morphometric and quantitative evaluation by intravascular ultrasound. 1994;128:664-73  
Jamison B (see Gardin et al). 1994;128:1117-29  
Janosik D (see Underwood et al). 1994;128:1241-5 (Brief comm.)  
Jay CA (see Orlov et al). 1994;128:193-6 (Brief comm.)  
Jazayeri M (see Dhala et al). 1994;128:903-7  
Jeandel C (see Chati et al). 1994;128:781-92  
Jerezek M (see Dissmann et al). 1994;128:851-8  
Jimenez AH (see Jacobs et al). 1994;128:1170-7  
Johns JP (see Chambers et al). 1994;128:1036-8 (Brief comm.)  
Johnson DE (see DiSciascio et al). 1994;128:419-26  
Jonassen O (see Petersen et al). 1994;128:511-6  
Jones JP (see Hariman et al). 1994;128:352-7  
Jørgensen HS (see Sloth et al). 1994;128:1130-8  
Jortner R, Demopoulos LA, Bernstein NE, Tunick PA, Shapira Y, Shaked Y, Kronzon I. Transesophageal echocardiography in the diagnosis of Q-fever endocarditis. 1994;128:827-31 (Brief comm.)  
Josephson ME (see Grimm et al). 1994;128:77-87
- K**
- Kacet S (see Lacroix et al). 1994;128:1044-5 (Brief comm.)  
Kai H, Yamamoto H, Noma M, Suzuki S, Yoshimura H, Tajimi T, Sugihara M, Kikuchi Y. Effects of continuous intravenous infusion of isosorbide dinitrate on development of tolerance to vasodilating action in human epicardial coronary arteries. 1994;128:230-6  
Kaibara M (see Centurion et al). 1994;128:88-95  
Kalbfleisch SJ (see Strickberger et al). 1994;128:226-9  
Kalra GS (see Arora et al). 1994;128:539-41  
Kamada T (see Lim et al). 1994;128:649-56  
Kamp TJ, Goldschmidt-Clermont PJ, Brinker JA, Resar JR. Myocardial infarction, aortic dissection, and thrombolytic therapy. 1994;128:1234-7 (Brief comm.)  
Kanemoto N (see Tanabe et al). 1994;128:956-65  
Kannel WB (see Sherman et al). 1994;128:879-84  
— (see Sherman et al). 1994;128:965-72  
Kaplan JR, Manuck SB. Antiatherogenic effects of  $\beta$ -adrenergic blocking agents: theoretical, experimental, and epidemiologic considerations. 1994;128:1316-28 (Symposium)  
Kappagoda CT (see Amsterdam et al). 1994;128:1344-52 (Symposium)  
Karlner JS (see Wolff et al). 1994;128:542-50  
Karlson BW, Herlitz J, Hartford M. Prognosis in myocardial infarction in relation to gender. 1994;128:477-83  
Kato H, Yasue H, Yoshimura M, Tanaka H, Miyao Y, Okumura K, Ogawa H, Nakao K. Suppression of hyperventilation-induced attacks with infusion of B-type (brain) natriuretic peptide in patients with variant angina. 1994;128:1098-104  
Katristsis D (see Fei et al). 1994;128:73-6  
Katz WE, Gasior TA, Reddy SCB, Gorcsan J III. Utility and limitations of biplane transesophageal echocardiographic automated border detection for estimation of left ventricular stroke volume and cardiac output. 1994;128:389-96 (Prog. cardiol.)  
Kelly P (see Puleo et al). 1994;128:1248-50 (Brief comm.)  
Kemna MS, Valantine HA, Hunt SA, Schroeder JS, Chen Y-DI, Reaven GM. Metabolic risk factors for atherosclerosis in heart transplant recipients. 1994;128:68-72  
Kenny D (see Nickle et al). 1994;128:1245-7 (Brief comm.)  
Kerensky R (see Bertolet et al). 1994;128:185-8 (Brief comm.)  
Kerin NZ, Somberg J. Proarrhythmia: definition, risk factors, causes, treatment, and controversies. 1994;128:575-85 (Curriculum cardiol.)  
Kern KB, Hilwig R, Ewy GA. Retrograde coronary blood flow during cardiopulmonary resuscitation in swine: intracoronary Doppler evaluation. 1994;128:490-9  
Kern MJ, Aguirre FV, Donohue TJ, Bach RG, Caracciolo EA, Flynn MS, Wolford T, Moore JA. Continuous coronary flow velocity monitoring during coronary interventions: velocity trend patterns associated with adverse events. 1994;128:426-34  
— (see Caracciolo et al). 1994;128:724-32  
Khalilullah M (see Arora et al). 1994;128:539-41  
— (see Rao et al). 1994;128:1022-35 (Prog. cardiol.)  
Kiat H (see Matzer et al). 1994;128:1067-76  
Kidwell GA (see Trohman et al). 1994;128:586-95 (Prog. cardiol.)  
Kiemeneij F, Laarman GJ. Percutaneous transluminal artery approach for coronary Palmaz-Schatz stent implantation. 1994;128:167-74 (Prog. cardiol.)  
Kikuchi Y (see Kai et al). 1994;128:230-6  
Kim K-S (see Sanyal et al). 1994;128:1252-5 (Brief comm.)  
Kim S (see Yoshiyama et al). 1994;128:1-6  
Kim WY (see Sloth et al). 1994;128:1130-8  
Kimura M (see Ishii et al). 1994;128:641-8  
Kimura S, Nishinaga M, Ozawa T, Shimada K. Thrombin generation as an acute effect of cigarette smoking. 1994;128:7-11  
King SB III (see Liu et al). 1994;128:1077-83  
Kipperman RM (see Twidale et al). 1994;128:839-41 (Brief comm.)  
Kirsh MM (see Daoud et al). 1994;128:892-5  
Klein GJ (see Guiraudon et al). 1994;128:982-9  
Klein J, Cheo S, Berman DS, Rozanski A. Pathophysiologic factors governing the variability of ischemic responses to treadmill and bicycle exercise. 1994;128:948-55  
— (see Krantz et al). 1994;128:703-12  
Kleiman JM (see Trohman et al). 1994;128:586-95 (Prog. cardiol.)  
Kligfield P (see Lax et al). 1994;128:271-80  
Kloner RA (see Gardin et al). 1994;128:1117-29  
Knoll M (see Gardin et al). 1994;128:1117-29  
Kobayashi H (see Abe et al). 1994;128:911-8  
Kobayashi Y, Ote T, Shimizu W, Kosaki Y, Shimomura K. Coexistence of normal sinus rhythm and atrial fibrillation on electrocardiogram after the maze procedure. 1994;128:1045-7 (Brief comm.)  
— (see Sato et al). 1994;128:733-41  
Koga Y (see Ikeda et al). 1994;128:1091-8  
Kohama A (see Lim et al). 1994;128:649-56  
Kondo C (see Hardy et al). 1994;128:326-32  
Kondo T (see Ishii et al). 1994;128:641-8  
Konishi T (see Isaka et al). 1994;128:609-13 (Brief comm.)

- Konoe A (see Centurion et al). 1994;128:88-95  
 Kosaki Y (see Kobayashi et al). 1994;128:1045-7 (Brief comm.)  
 Kostis JB, Shelton BJ, Yusuf S, Weiss MB, Capone RJ, Pepine CJ, Gosselin G, Delahaye F, Probstfield JL, Cahill L, Dutton D. Tolerability of enalapril initiation by patients with left ventricular dysfunction: results of the medication challenge phase of the Studies of Left Ventricular Dysfunction. 1994;128:358-64  
 — (see Hariman et al). 1994;128:352-7  
 — (see Lang et al). 1994;128:551-6  
 Kotler MN (see Movsowitz et al). 1994;128:1210-7 (Curriculum cardiol.)  
 Kou WH (see Daoud et al). 1994;128:892-5  
 Krantz DS, Hedges SM, Gabbay FH, Klein J, Falconer JJ, Merz NB, Gottdiener JS, Lutz H, Rozanski A. Triggers of angina and ST-segment depression in ambulatory patients with coronary artery disease: evidence for an uncoupling of angina and ischemia. 1994;128:703-12  
 Kronzon I (see Bernstein et al). 1994;128:287-92  
 — (see Jortner et al). 1994;128:827-31 (Brief comm.)  
 Kuck K (see Steurer et al). 1994;128:908-11  
 Kufs WM (see Campos-Esteve et al). 1994;128:686-90  
 Kuroiwa A (see Abe et al). 1994;128:911-8  
 Kurokawa H (see Ishii et al). 1994;128:641-8  
 Kuwano K (see Ikeda et al). 1994;128:1091-8
- L**
- Laarman GJ (see Kiemeneij and Laarman). 1994;128:167-74 (Prog. cardiol.)  
 Lacroix D, Kacet S, Lekieffre J. Ventricular fibrillation after successful radiofrequency catheter ablation of idiopathic right ventricular tachycardia. 1994;128:1044-5 (Brief comm.)  
 Lahiri A (see Senior et al). 1994;128:713-8  
 Laird JR (see Campos-Esteve et al). 1994;128:686-90  
 Lampert C (see Movsowitz et al). 1994;128:1210-7 (Curriculum cardiol.)  
 Lang RM, DiBianco R, Broderick GT, Gottlieb SS, Kostis J, Lyle PA, Makris L, Rajfer SI, Rucinska EJ. First-dose effects of enalapril 2.5 mg and captopril 6.25 mg in patients with heart failure: a double-blind, randomized multicenter study. 1994;128:551-6  
 — (see Samaha et al). 1994;128:409-12 (Brief comm.)  
 Langberg JJ (see Strickberger et al). 1994;128:226-9  
 Langenstein B (see Schneider et al). 1994;128:414-6 (Brief comm.)  
 Lau FYK (see Gamra et al). 1994;128:934-40  
 Lau Y-K (see Lee et al). 1994;128:175-8 (Brief comm.)  
 Lauri G (see Salvioni et al). 1994;128:472-6  
 Laussen PC (see Gentles et al). 1994;128:1225-33 (Prog. cardiol.)  
 Lavie CJ, Milani RV. Patients with high baseline exercise capacity benefit from cardiac rehabilitation and exercise training programs. 1994;128:1105-9  
 Lax KG, Okin PM, Kligfield P. Electrocardiographic repolarization measurements at rest and during exercise in normal subjects and in patients with coronary artery disease. 1994;128:271-80  
 Laxson D (see Lurie et al). 1994;128:623-5 (Brief comm.)  
 Lazzarotti M (see Stramba-Badiale et al). 1994;128:973-82  
 Lee D-Y, Eigler N, Luo H, Lau Y-K, Siegel RJ. Intravascular ultrasound evaluation of interventional techniques in a calcified ostial right coronary artery. 1994;128:175-8 (Brief comm.)  
 Lehmann MH (see Lessmeier et al). 1994;128:211-8  
 Leier CV, Dei Cas L, Metra M. Clinical relevance and management of the major electrolyte abnormalities in congestive heart failure: hyponatremia, hypokalemia, and hypomagnesemia. 1994;128:564-74 (Curriculum cardiol.)  
 Lekieffre J (see Lacroix et al). 1994;128:1044-5 (Brief comm.)  
 Lerch R (see Ricou et al). 1994;128:196-9 (Brief comm.)  
 Lerman BB (see Lippman et al). 1994;128:1110-6  
 — (see Stein et al). 1994;128:759-68  
 Lesbre J-P (see Tribouilloy et al). 1994;128:526-32  
 Lesh MD (see Gonzalez et al). 1994;128:147-56 (Prog. cardiol.)  
 Lespérance J (see Waters and Lespérance). 1994;128:1309-16 (Symposium)  
 Lessmeier TJ, Lehmann MH, Steinman RT, Fromm BS, Akhtar M, Calkins H, DiMarco JP, Epstein AE, Estes NAM, Fogoros RN, Marchlinski FE, Wilber D. Implantable cardioverter-defibrillator therapy in 300 patients with coronary artery disease presenting exclusively with ventricular fibrillation. 1994;128:211-8  
 Leung C (see Misumi et al). 1994;128:412-4 (Brief comm.)  
 Lewis AB. Prognostic value of echocardiography in children with idiopathic dilated cardiomyopathy. 1994;128:133-6  
 Li Z-A (see Cheng et al). 1994;128:1218-24 (Prog. cardiol.)  
 — (see Wang et al). 1994;128:380-8 (Prog. cardiol.)  
 Lichtig H (see Grenadier et al). 1994;128:870-8  
 Lie KI (see den Heijer et al). 1994;128:656-53  
 Lim Y-J, Nanto S, Masuyama T, Kohama A, Hori M, Kamada T. Myocardial salvage: its assessment and prediction by the analysis of serial myocardial contrast echocardiograms in patients with acute myocardial infarction. 1994;128:649-56  
 Lin F-C (see Wang et al). 1994;128:219-26  
 — (see Yeh et al). 1994;128:742-58  
 Lind L, Pollare T, Berne C, Lithell H. Long-term metabolic effects of antihypertensive drugs. 1994;128:1177-83  
 Linderer T (see Dissmann et al). 1994;128:851-8  
 Lindsay J Jr, Reddy VM, Pinnow EE, Little T, Pichard AD. Morbidity and mortality rates in elderly patients undergoing percutaneous coronary transluminal angioplasty. 1994;128:697-702  
 Linnaluoto M (see Peuhkurinen et al). 1994;128:96-105  
 Lippman N, Stein KM, Lerman BB. Differential therapeutic responses of patients with isoproterenol-dependent and isoproterenol-independent vasodepressor syncope. 1994;128:1110-6  
 — (see Stein et al). 1994;128:759-68  
 Lithell H (see Lind et al). 1994;128:1177-83  
 Little T (see Lindsay et al). 1994;128:697-702  
 Liu MW, Roubin GS, King SB III. Effect of angiographic and hemodynamic results of coronary balloon angioplasty on late angiographic outcome. 1994;128:1077-83  
 Lloyd TR (see Rao et al). 1994;128:1022-35 (Prog. cardiol.)  
 Loeb HS (see Eusebio et al). 1994;128:941-7  
 — (see Louie et al). 1994;128:1084-91  
 Longhini C (see Brunazzi et al). 1994;128:293-300  
 Lopaschuk GD, Collins-Nakai RC, Olley PM, Montague TJ, McNeil G, Gayle M, Penkoske P, Finegan BA. Plasma fatty acid levels in infants and adults after myocardial ischemia. 1994;128:61-7  
 Louie EK, Hariman RJ, Wang Y, Hwang MH, Loeb HS, Scanlon PJ. Impairment of myocardial vascular responsiveness after transient myocardial ischemia and reperfusion. 1994;128:1084-91  
 — (see Eusebio et al). 1994;128:941-7  
 — (see Hariman et al). 1994;128:352-7  
 Loutsidis K (see de Chillou et al). 1994;128:263-70  
 Love DG (see Pape et al). 1994;128:406-9 (Brief comm.)  
 Lu P (see Cheng et al). 1994;128:1218-24 (Prog. cardiol.)  
 — (see Wang et al). 1994;128:380-8 (Prog. cardiol.)  
 Lundkvist A-JS (see Hausmann et al). 1994;128:674-80  
 Luo H (see Lee et al). 1994;128:175-8 (Brief comm.)  
 Luongo R (see Agati et al). 1994;128:28-35  
 Lurie K, Shultz J, Remole S, Asso A, Pineda E, Benditt D, Fetter J, Laxson D. Constrictive pericardial disease caused by epicardial implantable cardiac defibrillator patches: treatment by pericardial stripping and nonthoracotomy lead system implantation. 1994;128:623-5 (Brief comm.)  
 Lutz H (see Krantz et al). 1994;128:703-12  
 Lyle PA (see Lang et al). 1994;128:551-6
- M**
- Macaya C (see Alfonso et al). 1994;128:244-51  
 MacGregor JS, Caverro PG, McCluskey ER, Cheitlin MD. Percutaneous valvuloplasty to relieve stenosis of a bioprosthetic tricuspid valve in a patient with bacterial endocarditis. 1994;128:199-202 (Brief comm.)  
 Mahboubi S (see Duerinckx et al). 1994;128:1139-46  
 Maione AG (see Indolfi et al). 1994;128:858-64  
 Makris L (see Lang et al). 1994;128:551-6  
 Malhotra V, Ferrans VJ, Virmani R. Infantile histiocytoid cardiomyopathy: three cases and literature review. 1994;128:1009-21 (Curriculum cardiol.)  
 Man KC (see Strickberger et al). 1994;128:226-9  
 Mangione NJ, Glasser SP. Phenomenon of nitrate tolerance. 1994;128:137-46 (Curriculum cardiol.)  
 Mann DL (see Habib et al). 1994;128:333-43  
 Manolis AS, Rastegar H, Wang PJ, Estes NAM III. Fully transvenous cardioverter defibrillators: rare need for subcutaneous patch with two newer-generation systems. 1994;128:808-15 (Prog. cardiol.)  
 —, Wang PJ, Estes NAM III. Radiofrequency ablation of left-sided accessory pathways: transaortic versus transseptal ap-

- proach. 1994;128:896-902
- Manson JAE. Postmenopausal hormone therapy and atherosclerotic disease. 1994;128:1337-43 (Symposium)
- Mansour NN (see Bashour and Mansour). 1994;128:846-50 (Editorial)
- Manuck SB (see Kaplan and Manuck). 1994;128:1316-28 (Symposium)
- Marcassa C (see Galli and Marcassa). 1994;128:41-52
- Marchlinski FE (see Lessmeier et al). 1994;128:211-8
- (see Preminger et al). 1994;128:1040-2 (Brief comm.)
- Marenzi G (see Salvioni et al). 1994;128:472-6
- Marino B (see Pelliccia et al). 1994;128:316-25
- Markiewicz W (see Grenadier et al). 1994;128:870-8
- Massey CV, Muller AL, Bennett BD, Gregory E, Alpert MA. Left ventricular pseudocyst caused by intraventricular thrombus: comparative echocardiographic and pathologic features. 1994;128:831-3 (Brief comm.)
- Massie BM (see Chou et al). 1994;128:1038-40 (Brief comm.)
- Masuyama T (see Lim et al). 1994;128:649-56
- Matrazzi C (see Santinelli et al). 1994;128:816-20 (Brief comm.)
- Matzer L, Kiat H, Wang FP, Van Train K, Germano G, Friedman J, Berman DS. Pharmacologic stress dual-isotope myocardial perfusion single-photon emission computed tomography. 1994;128:1067-76
- Mayer JE (see Van Praagh et al). 1994;128:365-79 (Curriculum cardiol.)
- McCluskey ER (see MacGregor et al). 1994;128:199-202 (Brief comm.)
- McDonough MT (see Pytlewski et al). 1994;128:843-5 (Brief comm.)
- McKay CR (see Grover-McKay et al). 1994;128:533-9
- McKay RG (see Mitchel et al). 1994;128:21-7
- McNeil G (see Lopaschuk et al). 1994;128:61-7
- Mechem C (see Caracciolo et al). 1994;128:724-32
- Mehan VK (see Wagdi et al). 1994;128:820-3 (Brief comm.)
- Mehta JL (see Yang et al). 1994;128:1192-200
- Meinertz T (see Schneider et al). 1994;128:414-6 (Brief comm.)
- Mele D (see Rivera et al). 1994;128:927-33
- Mendes LA, Dec GW, Picard MH, Palacios IF, Newell J, Davidoff R. Right ventricular dysfunction: an independent predictor of adverse outcome in patients with myocarditis. 1994;128:301-7
- Menegus MA (see Charney et al). 1994;128:864-9
- Merz NB (see Krantz et al). 1994;128:703-12
- Metra M (see Leier et al). 1994;128:564-74 (Curriculum cardiol.)
- Metzger J (see de Chillou et al). 1994;128:263-70
- Mietus JE (see Goldberger et al). 1994;128:202-4 (Brief comm.)
- Mikuz G (see Friedrich et al). 1994;128:435-41
- Milani RV (see Lavie and Milani). 1994;128:1105-9
- Miller J (see Grimm et al). 1994;128:77-87
- Miller WP. Effect of altered contractility on the linearity of regional left ventricular end-systolic relations in intact hearts. 1994;128:114-23
- Mills RM Jr (see Haught et al). 1994;128:1255-7 (Brief comm.)
- Mirode A (see Tribouilloy et al). 1994;128:526-32
- Misumi K, Berdjis F, Leung C, Padilla L, Murata Y, Reid CL. Adult patient with total anomalous pulmonary venous return undergoing successful pregnancy. 1994;128:412-4 (Brief comm.)
- Mitchel JF, Fram DB, Aretz TA, Gilliam LD, Woronick C, Waters DD, McKay RG. Effects of low-grade conductive heating on vascular compliance during in vitro balloon angioplasty. 1994;128:21-7
- Miura Y (see Sato et al). 1994;128:733-41
- Miyao Y (see Kato et al). 1994;128:1098-104
- Miyashita H (see Hayashi et al). 1994;128:1264-6 (Brief comm.)
- Mizuno Y (see Ishii et al). 1994;128:641-8
- Mlczoch J (see Pollak and Mlczoch). 1994;128:466-71
- Moes NY (see Friedrich et al). 1994;128:435-41
- Montague TJ (see Lopaschuk et al). 1994;128:61-7
- Montereggi A (see Zuppiroli et al). 1994;128:919-27
- Montesano T (see Fedele et al). 1994;128:484-9
- Moore JA (see Kern et al). 1994;128:426-34
- Morady F (see Daoud et al). 1994;128:892-5
- (see Strickberger et al). 1994;128:226-9
- Mordechowitz D (see Grenadier et al). 1994;128:870-8
- More RS, Ruddy G, Underwood MJ, Brack MJ, Gershlick AH. Assessment of myointimal cellular kinetics in a model of angioplasty by means of proliferating cell nuclear antigen expression. 1994;128:681-6
- Mori F (see Zuppiroli et al). 1994;128:919-27
- Morise AP (see Palmas et al). 1994;128:281-7
- Morris E (see Rivera et al). 1994;128:927-33
- Morris GT (see Prince et al). 1994;128:36-41
- Movsowitz HD, Lampert C, Jacobs LE, Kotler MN. Penetrating atherosclerotic aortic ulcers. 1994;128:1210-7 (Curriculum cardiol.)
- Mühlberger VA (see Friedrich et al). 1994;128:435-41
- Mullen WL (see Hausmann et al). 1994;128:674-80
- Muller AL (see Massey et al). 1994;128:831-3 (Brief comm.)
- Muller JE (see Jacobs et al). 1994;128:1170-7
- Müller P, Czernin J, Choi Y, Aguilar F, Nitzsche EU, Buxton DB, Sun K, Phelps ME, Huang S-C, Schelbert HR. Effect of exercise supplementation during adenosine infusion on hyperemic blood flow and flow reserve. 1994;128:52-60
- Murali S (see Rubin et al). 1994;128:769-73
- Murata Y (see Misumi et al). 1994;128:412-4 (Brief comm.)
- Murphy JJ (see Velasco et al). 1994;128:441-51
- N
- Nachnani S (see Deychak et al). 1994;128:178-81 (Brief comm.)
- Nakamura M, Ishikawa M, Funakoshi T, Hashimoto K, Chiba M, Hiramori K. Attenuated endothelium-dependent peripheral vasodilation and clinical characteristics in patients with chronic heart failure. 1994;128:1164-9
- (see Ishizaka et al). 1994;128:691-6
- Nakano T (see Isaka et al). 1994;128:609-13 (Brief comm.)
- Nakao K (see Kato et al). 1994;128:1098-104
- Nakashima Y (see Abe et al). 1994;128:911-8
- Nakayama H (see Ikeda et al). 1994;128:1091-8
- Nanda NC (see Sanyal et al). 1994;128:1252-5 (Brief comm.)
- Nanna M (see Charney et al). 1994;128:864-9
- Nanto S (see Lim et al). 1994;128:649-56
- Natale A (see Dhala et al). 1994;128:903-7
- Nathan PE (see Rosero et al). 1994;128:608-9 (Brief comm.)
- Nemoto T (see Sato et al). 1994;128:733-41
- Newell J (see Mendes et al). 1994;128:301-7
- Nichols WW (see Yang et al). 1994;128:1192-200
- Nickele GA, Foster PA, Kenny D. Primary antiphospholipid syndrome and mitral valve thrombosis. 1994;128:1245-7 (Brief comm.)
- Nicolini FA (see Yang et al). 1994;128:1192-200
- Nidorf M (see Vuille et al). 1994;128:1200-9
- Nielsen JR (see Petersen et al). 1994;128:511-6
- Nieto S (see Vilacosta et al). 1994;128:823-7 (Brief comm.)
- Nigam M (see Arora et al). 1994;128:539-41
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- Nikulina GA (see Goldberger et al). 1994;128:202-4 (Brief comm.)
- Nishinaga M (see Kimura et al). 1994;128:7-11
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- Nocero MA (see Hariman et al). 1994;128:352-7
- Noma M (see Kai et al). 1994;128:230-6
- Nomura M (see Ishii et al). 1994;128:641-8
- Nunziata E (see Binkley et al). 1994;128:1147-56
- Nwosu EA, Rahko PS, Hanson P, Grogan EW Jr. Hemodynamic and volumetric response of the normal left ventricle to upright tilt testing. 1994;128:106-13
- O
- Oda T (see Ikeda et al). 1994;128:1091-8
- Ogawa H (see Kato et al). 1994;128:1098-104
- Ogawa T (see Hayashi et al). 1994;128:1264-6 (Brief comm.)
- Ohe T (see Kobayashi et al). 1994;128:1045-7 (Brief comm.)
- Okin PM (see Lax et al). 1994;128:271-80
- Okumura K (see Kato et al). 1994;128:1098-104
- Olley PM (see Lopaschuk et al). 1994;128:61-7
- Omura T (see Yoshiyama et al). 1994;128:1-6
- Onorato E (see Rao et al). 1994;128:1022-35 (Prog. cardiol.)
- Oppo I (see Santinelli et al). 1994;128:816-20 (Brief comm.)
- Orlov MV (see Orlov et al). 1994;128:193-6 (Brief comm.)
- Orlov YSK, Brodsky MA, Allen BJ, Ott RA, Orlov MV, Jay CA. Cardiac manifestations and their management in Becker's muscular dystrophy. 1994;128:193-6 (Brief comm.)
- Orsinelli DA, Pasiński TJ, Pearson AC. Spontaneously appearing microbubbles associated with prosthetic cardiac valves detected by transesophageal echocardiography. 1994;128:990-6
- (see Pearson et al). 1994;128:344-51
- Osman K (see Sanyal et al). 1994;128:1252-5 (Brief comm.)
- Ott RA (see Orlov et al). 1994;128:193-6 (Brief comm.)
- Oyre S (see Sloth et al). 1994;128:1130-8



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— (see Sato et al). 1994;128:733-41

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Padilla L (see Misumi et al). 1994;128:412-4 (Brief comm.)  
Palacios IF (see Mendes et al). 1994;128:301-7  
Palma M (see Santinelli et al). 1994;128:816-20 (Brief comm.)  
Palmas W, Denton TA, Morise AP, Diamond GA. Afterimages: integration of diagnostic information through Bayesian enhancement of scintigraphic images. 1994;128:281-7  
Pandian NG (see Daley et al). 1994;128:1239-41 (Brief comm.)  
— (see Tardif et al). 1994;128:156-66 (Prog. cardiol.)  
Panidis IP (see Pytlewski et al). 1994;128:843-5 (Brief comm.)  
Pape LA, Love DG, Gore JM. Massive thromboembolic stroke and death after fibrinolytic therapy of St. Jude prosthetic mitral valve thrombosis: documentation by transthoracic Doppler echocardiography. 1994;128:406-9 (Brief comm.)  
Paris D (see Isaaz et al). 1994;128:500-10  
Park CH (see Tighe et al). 1994;128:188-90 (Brief comm.)  
Parker JD (see Jacobs et al). 1994;128:1170-7  
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Pasierski TJ (see Orsinelli et al). 1994;128:990-6  
— (see Pearson et al). 1994;128:344-51  
Pasqualini M (see Brunazzi et al). 1994;128:293-300  
Patterson M (see Gardin et al). 1994;128:1117-29  
Pattynama PMT, De Roos A, Van der Wall EE, Van Voorthuizen AE. Evaluation of cardiac function with magnetic resonance imaging. 1994;128:595-607 (Prog. cardiol.)  
Paynter J (see Gardin et al). 1994;128:1117-29  
Pearson AC, Guo R, Orsinelli DA, Binkley PF, Pasierski TJ. Transesophageal echocardiographic assessment of the effects of age, gender, and hypertension on thoracic aortic wall size, thickness, and stiffness. 1994;128:344-51  
— (see Orsinelli et al). 1994;128:990-6  
Pedersen EM (see Sloth et al). 1994;128:1130-8  
Pelliccia F, d'Amati G, Cianfrocca C, Bernucci P, Nigri A, Marino B, Gallo P. Histomorphometric features predict 1-year outcome of patients with idiopathic dilated cardiomyopathy considered to be at low priority for cardiac transplantation. 1994;128:316-25  
Peltier M (see Tribouilloy et al). 1994;128:526-32  
Penco M (see Fedele et al). 1994;128:484-9  
Penkoske P (see Lopaschuk et al). 1994;128:61-7  
Penn IM (see Foley et al). 1994;128:12-20  
Pentling ML (see den Heijer et al). 1994;128:656-53  
Pepine CJ (see Kostis et al). 1994;128:358-64  
Perego GB (see Salvioni et al). 1994;128:472-6  
Petersen CL, Hansen A, Frandsen E, Strange S, Jonassen O, Nielsen JR, Dige-Petersen H, Hesse B. Endothelin release and enhanced regional myocardial ischemia induced by cold-air inhalation in patients with stable angina. 1994;128:511-6  
Peuhkurinen KJ, Huikuri V, Linnaluoto M, Takkanen JT. Changes in myocardial metabolism and transcardiac electrolytes during simulated ventricular tachycardia: effects of  $\beta$ -adrenergic blockade. 1994;128:96-105  
Phelps ME (see Müller et al). 1994;128:52-60  
Picard MH (see Mendes et al). 1994;128:301-7  
— (see Vuille et al). 1994;128:1200-9  
Pichard AD (see Lindsay et al). 1994;128:697-702  
Pineda E (see Lurie et al). 1994;128:623-5 (Brief comm.)  
Pinnow EE (see Lindsay et al). 1994;128:697-702  
Pinski SL (see Trohman et al). 1994;128:586-95 (Prog. cardiol.)  
Piscione F (see Indolfi et al). 1994;128:858-64  
Piscitelli MM (see Santinelli et al). 1994;128:816-20 (Brief comm.)  
Pitsavos C (see Triposkiadis et al). 1994;128:308-15  
Pitt B. Angiotensin-converting enzyme inhibitors in patients with coronary atherosclerosis. 1994;128:1328-32 (Symposium)  
—, Furberg CD. Preventing atherosclerosis and its complications: promising alternatives for the future—introduction. 1994;128:1299 (Symposium)  
Pollack BD (see Belkin et al). 1994;128:520-5  
Pollak H, Mlczoch J. Effect of nitrates on the frequency of left ventricular free wall rupture complicating acute myocardial infarction: a case-controlled study. 1994;128:466-71  
Pollare T (see Lind et al). 1994;128:1177-83  
Preminger MW, Callans DJ, Gottlieb CD, Marchlinski FE. Radiofrequency catheter ablation used to unmask infarction Q waves in Wolff-Parkinson-White syndrome. 1994;128:1040-2 (Brief comm.)  
Prince CR, Stoddard MF, Morris GT, Ammash NM, Goad JL,

Dawkins PR, Vogel RL. Dobutamine two-dimensional transeophageal echocardiographic stress testing for detection of coronary artery disease. 1994;128:36-41  
Probstfield JL (see Kostis et al). 1994;128:358-64  
Puleo JA, Shammass NW, Kelly P, Allen M. *Lactobacillus* isolated from pulmonic valve endocarditis with ventricular septal defect detected by transesophageal echocardiography. 1994;128:1248-50 (Brief comm.)  
Pytlewski G, Panidis IP, Combs W, McDonough MT. Resolution of left atrial thrombus with warfarin by transesophageal echocardiography before percutaneous commissurotomy in mitral stenosis. 1994;128:843-5 (Brief comm.)

## Q

Quattromani A (see Underwood et al). 1994;128:1241-5 (Brief comm.)

## R

Rabano A (see Santinelli et al). 1994;128:816-20 (Brief comm.)  
Rady M, Jafry S, Rivers E, Alexander M. Characterization of systemic oxygen transport in end-stage chronic congestive heart failure. 1994;128:774-81  
Raftery EB (see Senior et al). 1994;128:713-8  
Rahko PS (see Nwosu et al). 1994;128:106-13  
Rajfer SI (see Lang et al). 1994;128:551-6  
Ramee SR (see Jain et al). 1994;128:664-73  
Ramsaran EK (see Chaudry et al). 1994;128:205-9 (Editorial)  
Rao PS, Sideris EB, Hausdorf G, Rey C, Lloyd TR, Beekman RH, Worms AM, Bourlon F, Onorato E, Khalilullah M, Haddad J. International experience with secundum atrial septal defect occlusion by the buttoned device. 1994;128:1022-35 (Prog. cardiol.)  
Rapaciuolo A (see Indolfi et al). 1994;128:858-64  
Rastegar H (see Manolis et al). 1994;128:808-15 (Prog. cardiol.)  
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Reddy SCB (see Katz et al). 1994;128:389-96 (Prog. cardiol.)  
Reddy VM (see Lindsay et al). 1994;128:697-702  
Reid CL (see Misumi et al). 1994;128:412-4 (Brief comm.)  
Reiffel JA, Correia J. "In the absence of structural heart disease. . ." What is it, and why does it matter in antiarrhythmic drug therapy? 1994;128:626-9 (Editorial)  
Reiner JS (see Deychak et al). 1994;128:178-81 (Brief comm.)  
Reller MD (see DeGroff et al). 1994;128:836-9 (Brief comm.)  
Remole S (see Lurie et al). 1994;128:623-5 (Brief comm.)  
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Rey C (see Rao et al). 1994;128:1022-35 (Prog. cardiol.)  
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Reynard CA (see Ricou et al). 1994;128:196-9 (Brief comm.)  
Rhee J (see Duerinckx et al). 1994;128:1139-46  
Rice MJ (see DeGroff et al). 1994;128:836-9 (Brief comm.)  
Ricou FJ, Reynard CA, Lerch R. Transesophageal echocardiography in the diagnosis of inferior caval secundum atrial septal defect. 1994;128:196-9 (Brief comm.)  
Rigney DR (see Goldberger et al). 1994;128:202-4 (Brief comm.)  
Rivera JM, Mele D, Vandervoort PM, Morris E, Weyman AE, Thomas JD. Effective regurgitant orifice area in tricuspid regurgitation: clinical implementation and follow-up study. 1994;128:927-33  
Rivers E (see Rady et al). 1994;128:774-81  
Robert J (see Chati et al). 1994;128:781-92  
Roberts WC (see Shirani et al). 1994;128:1043-4 (Brief comm.)  
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Rosamond TL (see Santiago et al). 1994;128:804-8 (Prog. cardiol.)  
Rosenfeld HM (see Gentles et al). 1994;128:1225-33 (Prog. cardiol.)  
Rosenzweig BP (see Bernstein et al). 1994;128:287-92  
Rosero H, Nathan PE, Rodney E, Vasavada B, Sacchi TJ. Aorta to right atrium fistula with congestive heart failure resulting from a patent Cabrol shunt after repair of aortic dissection. 1994;128:608-9 (Brief comm.)  
Roubin GS (see Liu et al). 1994;128:1077-83  
Roychoudhury D (see Sanyal et al). 1994;128:1252-5 (Brief comm.)

- Rozanski A (see Klein et al). 1994;128:948-55  
— (see Krantz et al). 1994;128:703-12
- Rubin DA, Uretsky BF, Zerbe TR, Estrada-Quintero T, Murali S. Increased plasma atrial natriuretic peptide levels after heart transplant: relation to ventricular expression and severity of rejection. 1994;128:769-73
- Rucinska EJ (see Lang et al). 1994;128:551-6
- Rudolf J, Ebner S, Canepa C. Limb-compartmental syndrome with thrombolysis. 1994;128:1267-8 (Letter)
- Ruggiero ML (see Belkin et al). 1994;128:520-5
- Ruiz CE (see Gamra et al). 1994;128:934-40
- Rutty G (see More et al). 1994;128:681-6
- S**
- Sacchi TJ (see Rosero et al). 1994;128:608-9 (Brief comm.)
- Sacknoff DM (see Coplan et al). 1994;128:416-8 (Brief comm.)
- Sadler D (see Sherzoy et al). 1994;128:841-3 (Brief comm.)
- Saeki F (see Ishizaka et al). 1994;128:691-6
- Safirstein SM, Santana O, Agatston AS. Thyrotoxicosis associated with reversible dilated cardiomyopathy. 1994;128:616-7 (Brief comm.)
- Sahn DJ (see DeGroff et al). 1994;128:836-9 (Brief comm.)
- Sakatani H (see Ishizaka et al). 1994;128:691-6
- Salvioni A, Marenzi G, Lauri G, Giraldo F, Perego GB, Grazi S, Guazzi MD.  $\beta$ -Thromboglobulin plasma levels in the first week after myocardial infarction: influence of thrombolytic therapy. 1994;128:472-6
- Salzmann C (see Wagdi et al). 1994;128:820-3 (Brief comm.)
- Samaha FF, Lang R, Abbo KM, Carroll JD, Weinert L, Follman DF. Intracardiac ultrasonographic imaging to diagnose a ruptured sinus of Valsalva aneurysm. 1994;128:409-12 (Brief comm.)
- Sánchez-Harguindey L (see Vilacosta et al). 1994;128:823-7 (Brief comm.)
- Sanders SP (see Gentles et al). 1994;128:1225-33 (Prog. cardiol.)
- (see Van Praagh et al). 1994;128:365-79 (Curriculum cardiol.)
- (see Yeager et al). 1994;128:397-405 (Prog. cardiol.)
- San Román JA (see Vilacosta et al). 1994;128:823-7 (Brief comm.)
- Santana O (see Safirstein et al). 1994;128:616-7 (Brief comm.)
- Santiago P, Vacek JL, Rosamond TL. Dobutamine stress echocardiography: clinical utility and predictive value at various infusion rates. 1994;128:804-8 (Prog. cardiol.)
- Santinelli V, Oppo I, Materazzi C, Rabuano A, Piscitelli MM, Basile F, Palma M, Giunta A. Causal relation between silent myocardial ischemia and sudden death. 1994;128:816-20 (Brief comm.)
- Sanyal RS, Roychoudhury D, Nanda NC, Kim K-S, Osman K. Transthoracic and transesophageal echocardiographic diagnosis of severe subaortic obstruction produced by an abscess cavity. 1994;128:1252-5 (Brief comm.)
- Sarna JSM (see Antimisiaris et al). 1994;128:884-91
- Sarría C (see Vilacosta et al). 1994;128:823-7 (Brief comm.)
- Sato W, Tanaka M, Sugiyama S, Nemoto T, Harada K, Miura Y, Kobayashi Y, Goto A, Takada G, Ozawa T. Cardiomyopathy and angiopathy in patients with mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes. 1994;128:733-41
- Scanlon PJ (see Eusebio et al). 1994;128:941-7
- (see Louie et al). 1994;128:1084-91
- Scheinman MM (see Gonzalez et al). 1994;128:147-56 (Prog. cardiol.)
- Schellert HR (see Müller et al). 1994;128:52-60
- Schiller NB (see Ho et al). 1994;128:190-3 (Brief comm.)
- Schneider B, Zienkiewicz T, Langenstein B, Vierbuchen M, Meinertz T. Metastatic malignant melanoma initially seen as congestive heart failure: diagnosis by transesophageal echocardiography. 1994;128:414-6 (Brief comm.)
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- Unger P, Vachery J-L, de Cannière D, Staroukine M, Berkenboom G. Comparison of the hemodynamic responses to molsidomine and isosorbide dinitrate in congestive heart failure. 1994;128:557-63  
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Predictors of restenosis: a morphometric and quantitative evaluation by intravascular ultrasound (Jain et al). 1994;128:664-73

\*July, pp. 1-210; August, pp. 211-418; September, pp. 419-640; October, pp. 641-850; November, pp. 851-1060; December, part 1, pp. 1061-1298; part 2, 1299-1352.

**Angioplasty, transluminal, percutaneous coronary—**  
Cont'd

Serial angioscopic and angiographic observations during the first hour after successful coronary angioplasty: a preamble to a multicenter trial addressing angiographic markers for restenosis (den Heijer et al). 1994;128:656-53

**Angioscopy**

Serial angioscopic and angiographic observations during the first hour after successful coronary angioplasty: a preamble to a multicenter trial addressing angiographic markers for restenosis (den Heijer et al). 1994;128:656-53

**Angiotensin-converting enzyme inhibitors**

Angiotensin-converting enzyme inhibitors in patients with coronary atherosclerosis (Pitt). 1994;128:1328-32 (Symposium)  
Expanding the paradigm of the renin-angiotensin system and angiotensin-converting enzyme inhibitors (Greenwald and Becker). 1994;128:997-1009 (Curriculum cardiol.)

**Angiotensin II**

Cardioprotective effect of the angiotensin II type 1 receptor antagonist TCV-116 on ischemia-reperfusion injury (Yoshiyama et al). 1994;128:1-6

**Animal model; see Disease models, animal**

**Anterior descending artery; see Arteries**

**Anti-arrhythmia agents**

"In the absence of structural heart disease. . ." What is it, and why does it matter in antiarrhythmic drug therapy? (Reiffel and Correia). 1994;128:626-9 (Editorial)

**Antiatherogenic agents; see Adrenergic beta receptor blockers**

**Antibodies, antiphospholipid**

Primary antiphospholipid syndrome and mitral valve thrombosis (Nickele et al). 1994;128:1245-7 (Brief comm.)

**Antigens**

Assessment of myointimal cellular kinetics in a model of angioplasty by means of proliferating cell nuclear antigen expression (More et al). 1994;128:681-6

**Antihypertensive agents**

Long-term metabolic effects of antihypertensive drugs (Lind et al). 1994;128:1177-83

**Antioxidants**

Platelet inhibitors and antioxidant vitamins in cardiovascular disease (Hennekens). 1994;128:1333-6 (Symposium)

**Antiphospholipid syndrome**

Primary antiphospholipid syndrome and mitral valve thrombosis (Nickele et al). 1994;128:1245-7 (Brief comm.)

**Aorta**

Radiofrequency ablation of left-sided accessory pathways: transaortic versus transeptal approach (Manolis et al). 1994;128:896-902

**Aorta, thoracic**

Transesophageal echocardiographic assessment of the effects of age, gender, and hypertension on thoracic aortic wall size, thickness, and stiffness (Pearson et al). 1994;128:344-51  
Variation of blood flow in the thoracic aorta during cardiac tamponade (Ho et al). 1994;128:190-3 (Brief comm.)

**Aortic coarctation**

Intravascular ultrasound can assist angiographic assessment of coarctation of the aorta (DeGroff et al). 1994;128:836-9 (Brief comm.)

**Aortic dissection; see Dissection**

**Aortic endocarditis; see Endocarditis**

**Aortic regurgitation; see Aortic valve insufficiency**

**Aortic ulcer; see Ulcer**

**Aortic valve**

Trans thoracic and transesophageal echocardiographic diagnosis of severe subaortic obstruction produced by an abscess cavity (Sanyal et al). 1994;128:1252-5 (Brief comm.)

**Aortic valve insufficiency**

Alterations in transmitral flow dynamics in patients with early mitral valve closure and aortic regurgitation (Eusebio et al). 1994;128:941-7

**Aortic valve stenosis**

Quantitation of aortic valve area in aortic stenosis with multiplane transesophageal echocardiography: comparison with monoplane transesophageal approach (Tribouilloy et al). 1994;128:526-32

**Apical hypertrophic cardiomyopathy; see Cardiomyopathy, hypertrophic**

**Arrhythmia**

Arrhythmias in mitral valve prolapse: relation to anterior mitral leaflet thickening, clinical variables, and color Doppler echocardiographic parameters (Zuppiroli et al). 1994;128:919-27

Cardiac psychiatry and the management of malignant ventricular arrhythmias with the internal cardioverter-defibrillator (Fricchione et al). 1994;128:1050-9 (Editorial)

Malignant arrhythmias and acute myocardial ischemia: interaction between flecainide and the autonomic nervous system (Stramba-Badiale et al). 1994;128:973-82

Proarrhythmia: definition, risk factors, causes, treatment, and controversies (Kerin and Somberg). 1994;128:575-85 (Curriculum cardiol.)

**Arterial occlusive diseases**

Alteration of phasic flow-velocity pattern during occlusive coronary artery spasm (Horimoto et al). 1994;128:1259-64 (Brief comm.)

Reversal of coronary artery occlusions in allergic granulomatosis and angiitis (Churg-Strauss syndrome) (Isaka et al). 1994;128:609-13 (Brief comm.)

Side-branch occlusion with directional coronary atherectomy: incidence and risk factors (Campos-Esteve et al). 1994;128:686-90

**Arteries**

Self-expandable and highly flexible nitinol stent: immediate and long-term results in dogs (Grenadier et al). 1994;128:870-8

**Ashman's phenomenon**

Observations on the reliability of the Ashman phenomenon (Chaudry et al). 1994;128:205-9 (Editorial)

**Atherectomy, coronary**

Angiographic follow-up of patients after transluminal coronary extraction atherectomy (Ishizaka et al). 1994;128:691-6

Histopathologic correlates of unstable ischemic syndromes in patients undergoing directional coronary atherectomy: in vivo evidence of thrombosis, ulceration, and inflammation (DiSciascio et al). 1994;128:419-26

Side-branch occlusion with directional coronary atherectomy: incidence and risk factors (Campos-Esteve et al). 1994;128:686-90

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**Atrial fibrillation**

Coexistence of normal sinus rhythm and atrial fibrillation on electrocardiogram after the maze procedure (Kobayashi et al). 1994;128:1045-7 (Brief comm.)

Supernormal atrial conduction and its relation to atrial vulnerability and atrial fibrillation in patients with sick sinus syndrome and paroxysmal atrial fibrillation (Centurion et al). 1994;128:88-95

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**Atrial natriuretic factor**

Increased plasma atrial natriuretic peptide levels after heart transplant: relation to ventricular expression and severity of rejection (Rubin et al). 1994;128:769-73

**Atrial septal defects; see Heart septal defects, atrial**

**Atrial thrombus; see Thrombosis**

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**Atrioventricular block; see Heart block**

**Atrioventricular connections**

Successful and unsuccessful sites of radiofrequency catheter ablation of accessory atrioventricular connections (Grimm et al). 1994;128:77-87

**Atrioventricular node reentry tachycardia; see Tachycardia, atrioventricular nodal reentry**

**Autonomic nervous system**

Malignant arrhythmias and acute myocardial ischemia: interaction between flecainide and the autonomic nervous system (Stramba-Badiale et al). 1994;128:973-82

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**Balloon dilatation**

Assessment of cardiac volumes and left ventricular mass by cine computed tomography before and after mitral balloon commissurotomy (Grover-McKay et al). 1994;128:533-9



**Balloon dilatation—Cont'd**

Percutaneous valvuloplasty to relieve stenosis of a bioprosthetic tricuspid valve in a patient with bacterial endocarditis (MacGregor et al). 1994;128:199-202 (Brief comm.)

Thermodilution left-sided cardiac output for valve area determination after balloon mitral valvotomy (Gamra et al). 1994;128:934-40

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Afterimages: integration of diagnostic information through Bayesian enhancement of scintigraphic images (Palmas et al). 1994;128:281-7

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Percutaneous valvuloplasty to relieve stenosis of a bioprosthetic tricuspid valve in a patient with bacterial endocarditis (MacGregor et al). 1994;128:199-202 (Brief comm.)

**Biplane transesophageal echocardiography; see Echocardiography, transesophageal****Bites and stings; see Insect bites and stings****Blood coagulation tests**

Bedside coagulation monitoring in heparin-treated patients with active thromboembolic disease: a coronary care unit experience (Becker et al). 1994;128:719-23

**Blood flow velocity**

Abnormal coronary flow velocity pattern in patients with left ventricular hypertrophy, angina pectoris, and normal coronary arteries: a transesophageal Doppler echocardiographic study (Isaaz et al). 1994;128:500-10

Alteration of phasic flow-velocity pattern during occlusive coronary artery spasm (Horimoto et al). 1994;128:1259-64 (Brief comm.)

Continuous coronary flow velocity monitoring during coronary interventions: velocity trend patterns associated with adverse events (Kern et al). 1994;128:426-34

Doppler guide wire-derived coronary flow reserve distal to intermediate stenoses used in clinical decision making regarding interventional therapy (Deychak et al). 1994;128:178-81 (Brief comm.)

Effect of exercise supplementation during adenosine infusion on hyperemic blood flow and flow reserve (Müller et al). 1994;128:52-60

Estimation of left ventricular diastolic pressures from precordial pulsed-Doppler analysis of pulmonary venous and mitral flow (Brunazzi et al). 1994;128:293-300

Loopy coronary arteries reveal their secrets (Bashour and Mansour). 1994;128:846-50 (Editorial)

Measurement of volumetric coronary blood flow by simultaneous intravascular two-dimensional and Doppler ultrasound: validation in an animal model (Chou et al). 1994;128:237-43

Retrograde coronary blood flow during cardiopulmonary resuscitation in swine: intracoronary Doppler evaluation (Kern et al). 1994;128:490-9

Three-dimensional visualization of velocity profiles in the human main pulmonary artery with magnetic resonance phase-velocity mapping (Sloth et al). 1994;128:1130-8

Variation of blood flow in the thoracic aorta during cardiac tamponade (Ho et al). 1994;128:190-3 (Brief comm.)

**Blood pressure**

Estimation of left ventricular diastolic pressures from precordial pulsed-Doppler analysis of pulmonary venous and mitral flow (Brunazzi et al). 1994;128:293-300

Measuring hypertensive cardiovascular risk: the vascular overload concept (Franklin and Weber). 1994;128:793-803 (Curriculum cardi.)

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Cardiomyopathy and angiopathy in patients with mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes (Sato et al). 1994;128:733-41

**Brain natriuretic factor**

Suppression of hyperventilation-induced attacks with infusion of B-type (brain) natriuretic peptide in patients with variant angina (Kato et al). 1994;128:1098-104

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Detection of intralumenal calcium by intracoronary ultrasound depends on the histologic pattern (Friedrich et al). 1994;128:435-41

**Calcium channel blockers**

Calcium channel blockers and coronary atherosclerosis: from the rabbit to the real world (Waters and Lesperance). 1994;128:1309-16 (Symposium)

**Cannulation; see Catheterization****Captopril**

First-dose effects of enalapril 2.5 mg and captopril 6.25 mg in patients with heart failure: a double-blind, randomized multicenter study (Lang et al). 1994;128:551-6

**Cardiac depolarization; see Polarity****Cardiac function tests; see Heart function tests****Cardiac hypertrophy; see Heart hypertrophy****Cardiac output**

Thermodilution left-sided cardiac output for valve area determination after balloon mitral valvotomy (Gamra et al). 1994;128:934-40

Utility and limitations of biplane transesophageal echocardiographic automated border detection for estimation of left ventricular stroke volume and cardiac output (Katz et al). 1994;128:389-96 (Prog. cardi.)

**Cardiac psychiatry; see Psychiatry****Cardiac rehabilitation; see Rehabilitation****Cardiac repolarization; see Polarity****Cardiac tamponade**

Variation of blood flow in the thoracic aorta during cardiac tamponade (Ho et al). 1994;128:190-3 (Brief comm.)

**Cardiac volume**

Assessment of cardiac volumes and left ventricular mass by cine computed tomography before and after mitral balloon commissurotomy (Grover-McKay et al). 1994;128:533-9

Hemodynamic and volumetric response of the normal left ventricle to upright tilt testing (Nwosu et al). 1994;128:106-13

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Infantile histiocytoid cardiomyopathy: three cases and literature review (Malhotra et al). 1994;128:1009-21 (Curriculum cardi.)

**Cardiomyopathy, congestive**

Histomorphometric features predict 1-year outcome of patients with idiopathic dilated cardiomyopathy considered to be at low priority for cardiac transplantation (Pelliccia et al). 1994;128:316-25

Late-onset idiopathic dilated cardiomyopathy in identical twins (Twidale et al). 1994;128:839-41 (Brief comm.)

Left atrial myopathy in idiopathic dilated cardiomyopathy (Triposkiadis et al). 1994;128:308-15

Prognostic value of echocardiography in children with idiopathic dilated cardiomyopathy (Lewis). 1994;128:133-6

Thyrotoxicosis associated with reversible dilated cardiomyopathy (Safirstein et al). 1994;128:616-7 (Brief comm.)

**Cardiomyopathy, hypertrophic**

Becker-type muscular dystrophy associated with hypertrophic cardiomyopathy (Hayashi et al). 1994;128:1264-6 (Brief comm.)

Symptomatic Japanese-type apical hypertrophic cardiomyopathy in a non-Asian patient: favorable response to treatment with verapamil (Zack and Blausey). 1994;128:613-6 (Brief comm.)

# **Cardiopulmonary resuscitation**

Retrograde coronary blood flow during cardiopulmonary resuscitation in swine: intracoronary Doppler evaluation (Kern et al). 1994;128:490-9

# **Cardiotonic agents**

Effects of a novel inotropic agent (OPC-18790) on systolic and diastolic function in patients with severe heart failure (Hoit et al). 1994;128:1156-63

# **Cardiovascular diseases**

Measuring hypertensive cardiovascular risk: the vascular overload concept (Franklin and Weber). 1994;128:793-803 (Curriculum cardiol.)

Platelet inhibitors and antioxidant vitamins in cardiovascular disease (Hennekens). 1994;128:1333-6 (Symposium)

# **Cardiovascular system**

Pathobiology of atherosclerosis and plaque complications (Dzau). 1994;128:1300-4 (Symposium)

Use of skin conductance changes during mental stress testing as an index of autonomic arousal in cardiovascular research (Jacobs et al). 1994;128:1170-7

# **Cardioverter-defibrillator, implantable; see Defibrillators, implantable**

# **Carotid sinus**

Revisiting carotid sinus denervation in carotid sinus hypersensitivity (Fahmy et al). 1994;128:1257-9 (Brief comm.)

# **Catheter ablation**

Effects of low-grade conductive heating on vascular compliance during in vitro balloon angioplasty (Mitchel et al). 1994;128:21-7

Efficacy and safety of atrioventricular nodal modification for atrioventricular nodal reentrant tachycardia in the pediatric population (Dhala et al). 1994;128:903-7

Evolving concepts in radiofrequency catheter ablation of atrioventricular nodal reentry tachycardia (Trohman et al). 1994;128:586-95 (Prog. cardiol.)

Late clinical and electrophysiologic outcome of radiofrequency ablation therapy by the inferior approach in atrioventricular node reentry tachycardia (Wang et al). 1994;128:219-26

Pseudorecurrence of paroxysmal supraventricular tachycardia after radiofrequency catheter ablation (Grossman et al). 1994;128:516-9

Radiofrequency ablation of left-sided accessory pathways: transaortic versus transeptal approach (Manolis et al). 1994;128:896-902

Radiofrequency ablation therapy in atypical or multiple atrioventricular node reentry tachycardias (Yeh et al). 1994;128:742-58

Radiofrequency catheter ablation used to unmask infarction Q waves in Wolff-Parkinson-White syndrome (Preminger et al). 1994;128:1040-2 (Brief comm.)

Relation between impedance and endocardial contact during radiofrequency catheter ablation (Strickberger et al). 1994;128:226-9

Right ventricular outflow tract ventricular tachycardia associated with an aneurysmal malformation: use of transesophageal echocardiography during low-energy direct-current ablation (Gill et al). 1994;128:620-3 (Brief comm.)

Successful and unsuccessful sites of radiofrequency catheter ablation of accessory atrioventricular connections (Grimm et al). 1994;128:77-87

Ventricular fibrillation after successful radiofrequency catheter ablation of idiopathic right ventricular tachycardia (Lacroix et al). 1994;128:1044-5 (Brief comm.)

# **Catheterization**

Marked T-wave inversion after internal jugular cannulation complicated by neck hematoma (Chou et al). 1994;128:1038-40 (Brief comm.)

# **Cell nuclear antigen; see Antigens**

# **Cellular kinetics, myointimal; see Kinetics**

# **Cerebrovascular disorders**

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Massive thromboembolic stroke and death after fibrinolytic therapy of St. Jude prosthetic mitral valve thrombosis: documentation by transthoracic Doppler echocardiography (Pape et al). 1994;128:406-9 (Brief comm.)

# **Child**

Efficacy and safety of atrioventricular nodal modification for atrioventricular nodal reentrant tachycardia in the pediatric population (Dhala et al). 1994;128:903-7

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# **Cholesterol**

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Preventing atherosclerosis and its complications: promising alternatives for the future—introduction (Pitt and Furberg). 1994;128:1299 (Symposium)

# **Chronic heart failure; see Heart failure, congestive**

# **Churg-Strauss syndrome**

Reversal of coronary artery occlusions in allergic granulomatosis and angiitis (Churg-Strauss syndrome) (Isaka et al). 1994;128:609-13 (Brief comm.)

# **Cigarette smoking; see Smoking**

# **Cine computed tomography; see Tomography, x-ray-computed**

# **Circadian rhythm**

Effects of amiodarone on the circadian rhythm and power spectral changes of heart rate and QT interval: significance for the control of sudden cardiac death (Antimisiaris et al). 1994;128:884-91

# **Coagulation monitoring; see Blood coagulation tests**

# **Cocaine**

Acute cocaine administration induces ventricular regional wall motion and ultrastructural abnormalities in an anesthetized rabbit model (Gardin et al). 1994;128:1117-29

Cocaine-related acute aortic dissection diagnosed by transesophageal echocardiography (Sherzoy et al). 1994;128:841-3 (Brief comm.)

# **Cold climate**

Endothelin release and enhanced regional myocardial ischemia induced by cold-air inhalation in patients with stable angina (Petersen et al). 1994;128:511-6

# **Color Doppler echocardiography; see Echocardiography, Doppler**

# **Conductive heating; see Thermal conductivity**

# **Congenital heart surgery; see Heart surgery**

# **Congestive heart failure; see Heart failure, congestive**

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# **Coronary arteries; see Coronary vessels**

# **Coronary arteriosclerosis**

Angiotensin-converting enzyme inhibitors in patients with coronary atherosclerosis (Pitt). 1994;128:1328-32 (Symposium)

Antiatherogenic effects of  $\beta$ -adrenergic blocking agents: theoretical, experimental, and epidemiologic considerations (Kaplan and Manuck). 1994;128:1316-28 (Symposium)

Calcium channel blockers and coronary atherosclerosis: from the rabbit to the real world (Waters and Lesperance). 1994;128:1309-16 (Symposium)

Detection of intraluminal calcium by intracoronary ultrasound depends on the histologic pattern (Friedrich et al). 1994;128:435-41

Lipid-lowering trials: results and limitations (Furberg). 1994;128:1304-8 (Symposium)

Long asymptomatic survival with a bullet adjacent to the left main coronary artery, the only site of atherosclerotic plaque in the coronary tree (Shirani et al). 1994;128:1043-4 (Brief comm.)

Metabolic risk factors for atherosclerosis in heart transplant recipients (Kemna et al). 1994;128:68-72

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- Nonpharmacologic therapy for coronary artery atherosclerosis: results of primary and secondary prevention trials (Amsterdam et al). 1994;128:1344-52 (Symposium)
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- Platelet inhibitors and antioxidant vitamins in cardiovascular disease (Hennekens). 1994;128:1333-6 (Symposium)
- Postmenopausal hormone therapy and atherosclerotic disease (Manson). 1994;128:1337-43 (Symposium)
- Preventing atherosclerosis and its complications: promising alternatives for the future—introduction (Pitt and Furberg). 1994;128:1299 (Symposium)

**Coronary artery bypass**

- Dobutamine echocardiography and resting-redistribution thallium-201 scintigraphy predicts recovery of hibernating myocardium after coronary revascularization (Charney et al). 1994;128:864-9
- Effect of age on mortality in coronary artery bypass surgery in New York, 1991-1992 (Hannan and Burke). 1994;128:1184-91

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- Bedsides coagulation monitoring in heparin-treated patients with active thromboembolic disease: a coronary care unit experience (Becker et al). 1994;128:719-23

**Coronary circulation**

- Abnormal coronary flow velocity pattern in patients with left ventricular hypertrophy, angina pectoris, and normal coronary arteries: a transesophageal Doppler echocardiographic study (Isaaz et al). 1994;128:500-10
- Measurement of volumetric coronary blood flow by simultaneous intravascular two-dimensional and Doppler ultrasound: validation in an animal model (Chou et al). 1994;128:237-43
- Retrograde coronary blood flow during cardiopulmonary resuscitation in swine: intracoronary Doppler evaluation (Kern et al). 1994;128:490-9

**Coronary disease**

- Dental disease and coronary artery disease (Gillum). 1994;128:1267 (Letter)
- Dipyridamole myocardial contrast echocardiography in patients with single-vessel coronary artery disease: perfusion, anatomic, and functional correlates (Agati et al). 1994;128:28-35
- Electrocardiographic repolarization measurements at rest and during exercise in normal subjects and in patients with coronary artery disease (Lax et al). 1994;128:271-80
- Identification of viable myocardium in patients with chronic coronary artery disease and left ventricular dysfunction: role of magnetic resonance imaging (Fedeale et al). 1994;128:484-9
- Neutrophil activation after percutaneous transluminal coronary angioplasty (Ikeda et al). 1994;128:1091-8
- Serial angioscopic and angiographic observations during the first hour after successful coronary angioplasty: a preamble to a multicenter trial addressing angioscopic markers for restenosis (den Heijer et al). 1994;128:656-63

**Coronary disease, diagnosis**

- Dobutamine two-dimensional transesophageal echocardiographic stress testing for detection of coronary artery disease (Prince et al). 1994;128:36-41
- Evaluation of a nine-lead Holter monitor for identifying and localizing ischemia and coronary artery disease detected by quantitative thallium-201 tomography (Tanabe et al). 1994;128:956-65
- Intravascular ultrasound evaluation of interventional techniques in a calcified ostial right coronary artery (Lee et al). 1994;128:175-8 (Brief comm.)
- Predictors of restenosis: a morphometric and quantitative evaluation by intravascular ultrasound (Jain et al). 1994;128:664-73

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- Synergistic value of simultaneous stress dobutamine sestamibi single-photon-emission computerized tomography and echocardiography in the detection of coronary artery disease (Senior et al). 1994;128:713-8
- Triggers of angina and ST-segment depression in ambulatory patients with coronary artery disease: evidence for an uncoupling of angina and ischemia (Krantz et al). 1994;128:703-12

**Coronary disease, therapy**

- Angiographic follow-up of patients after transluminal coronary extraction atherectomy (Ishizaka et al). 1994;128:691-6
- Doppler guide wire-derived coronary flow reserve distal to intermediate stenoses used in clinical decision making regarding interventional therapy (Deychak et al). 1994;128:178-81 (Brief comm.)
- Implantable cardioverter-defibrillator therapy in 300 patients with coronary artery disease presenting exclusively with ventricular fibrillation (Lessmeier et al). 1994;128:211-8

**Coronary reperfusion; see Myocardial reperfusion****Coronary revascularization; see Coronary artery bypass****Coronary stenosis; see Coronary disease****Coronary vasospasm**

- Acute myocardial infarction resulting from amphetamine abuse: A spasm-thrombus interplay? (Bashour). 1994;128:1237-9 (Brief comm.)
- Alteration of phasic flow-velocity pattern during occlusive coronary artery spasm (Horimoto et al). 1994;128:1259-64 (Brief comm.)
- Syncope as the initial symptom of silent coronary vasospasm (Underwood et al). 1994;128:1241-5 (Brief comm.)

**Coronary vessel anomalies**

- Ischemic hibernating myocardium demonstrated by positron emission tomography in anomalous origin of the left coronary artery from the pulmonary artery (Brezinski et al). 1994;128:181-5 (Brief comm.)

**Coronary vessels**

- Abnormal coronary flow velocity pattern in patients with left ventricular hypertrophy, angina pectoris, and normal coronary arteries: a transesophageal Doppler echocardiographic study (Isaaz et al). 1994;128:500-10
- Acute myocardial infarction after wasp stings in a patient with normal coronary arteries (Wagdi et al). 1994;128:820-3 (Brief comm.)
- Coronary artery vasoconstriction after successful single angioplasty of the left anterior descending artery (Indolfi et al). 1994;128:858-64
- Effects of continuous intravenous infusion of isosorbide dinitrate on development of tolerance to vasodilating action in human epicardial coronary arteries (Kai et al). 1994;128:230-6
- Impairment of myocardial vascular responsiveness after transient myocardial ischemia and reperfusion (Louie et al). 1994;128:1084-91
- Long asymptomatic survival with a bullet adjacent to the left main coronary artery, the only site of atherosclerotic plaque in the coronary tree (Shirani et al). 1994;128:1043-4 (Brief comm.)
- Loopy coronary arteries reveal their secrets (Bashour and Mansour). 1994;128:846-50 (Editorial)
- Mechanical compression of the left coronary artery resulting from periannular extension of aortic endocarditis: diagnosis by transesophageal echocardiography (Vilacosta et al). 1994;128:823-7 (Brief comm.)
- Myocardial stunning resulting from systolic coronary artery compression by myocardial bridging (Chambers et al). 1994;128:1036-8 (Brief comm.)

**Correspondence; see Letters****Creatine kinase isoenzymes**

- Early detection of successful coronary reperfusion based on serum myoglobin concentration: comparison with serum creatine kinase isoenzyme MB activity (Ishii et al). 1994;128:641-8

**Cryoablation**

- Encircling endocardial cryoablation for ventricular tachycardia after myocardial infarction: experience with 33 patients (Guiraudon et al). 1994;128:982-9

**Curriculum in cardiology**

- Curriculum in cardiology. 1994;128:137-46, 365-79, 564-85, 793-803, 997-1021, 1210-7



## Cysts

- Left ventricular pseudocyst caused by intraventricular thrombus: comparative echocardiographic and pathologic features (Massey et al). 1994;128:831-3 (Brief comm.)

## D

### Death, sudden, cardiac

- Causal relation between silent myocardial ischemia and sudden death (Santinelli et al). 1994;128:816-20 (Brief comm.)  
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Is there an abnormal QT interval in sudden cardiac death survivors with a "normal" QTc? (Fei et al). 1994;128:73-6  
Sudden cardiac death: twiddler's syndrome with an implantable cardioverter defibrillator (Avital et al). 1994;128:833-6 (Brief comm.)

### Defibrillators, implantable

- Cardiac psychiatry and the management of malignant ventricular arrhythmias with the internal cardioverter-defibrillator (Fricchione et al). 1994;128:1050-9 (Editorial)  
Constrictive pericardial disease caused by epicardial implantable cardiac defibrillator patches: treatment by pericardial stripping and nonthoracotomy lead system implantation (Lurie et al). 1994;128:623-5 (Brief comm.)  
Fully transvenous cardioverter-defibrillators: rare need for subcutaneous patch with two newer-generation systems (Manolis et al). 1994;128:808-15 (Prog. cardiol.)  
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- Transthoracic and transesophageal echocardiographic diagnosis of severe subaortic obstruction produced by an abscess cavity (Sanyal et al). 1994;128:1252-5 (Brief comm.)

### Heart valves

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### Heart ventricle

- Acute cocaine administration induces ventricular regional wall motion and ultrastructural abnormalities in an anesthetized rabbit model (Gardin et al). 1994;128:1117-29
- Assessment of cardiac volumes and left ventricular mass by cine computed tomography before and after mitral balloon commissurotomy (Grover-McKay et al). 1994;128:533-9

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- Estimation of left ventricular diastolic pressures from precordial pulsed-Doppler analysis of pulmonary venous and mitral flow (Brunazzi et al). 1994;128:293-300
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- Left ventricular pseudocyst caused by intraventricular thrombus: comparative echocardiographic and pathologic features (Massey et al). 1994;128:831-3 (Brief comm.)
- Observations on the reliability of the Ashman phenomenon (Chaudry et al). 1994;128:205-9 (Editorial)

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- Comparison of the hemodynamic responses to molsidomine and isosorbide dinitrate in congestive heart failure (Unger et al). 1994;128:557-63
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- Hemodynamic and volumetric response of the normal left ventricle to upright tilt testing (Nwosu et al). 1994;128:106-13

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### Hyperemia

- Effect of exercise supplementation during adenosine infusion on hyperemic blood flow and flow reserve (Müller et al). 1994;128:52-60

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### Hypertension

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- Suppression of hyperventilation-induced attacks with infusion of B-type (brain) natriuretic peptide in patients with variant angina (Kato et al). 1994;128:1098-104

### Hypokalemia

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Clinical relevance and management of the major electrolyte abnormalities in congestive heart failure: hyponatremia, hypokalemia, and hypomagnesemia (Leier et al). 1994;128:564-74 (Curriculum cardiol.)

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Clinical relevance and management of the major electrolyte abnormalities in congestive heart failure: hyponatremia, hypokalemia, and hypomagnesemia (Leier et al). 1994;128:564-74 (Curriculum cardiol.)

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Regional sympathetic denervation detected by iodine 123 metaiodobenzylguanidine in non-Q-wave myocardial infarction and unstable angina (Tomoda et al). 1994;128:452-8

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Adenosine blockade as primary therapy for ischemia-induced accelerated idioventricular rhythm: rationale and potential clinical application (Bertolet et al). 1994;128:185-8 (Brief comm.)

Evaluation of a nine-lead Holter monitor for identifying and localizing ischemia and coronary artery disease detected by quantitative thallium-201 tomography (Tanabe et al). 1994;128:956-65

Histopathologic correlates of unstable ischemic syndromes in patients undergoing directional coronary atherectomy: in vivo evidence of thrombosis, ulceration, and inflammation (DiSciascio et al). 1994;128:419-26

Triggers of angina and ST-segment depression in ambulatory patients with coronary artery disease: evidence for an uncoupling of angina and ischemia (Krantz et al). 1994;128:703-12

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*Lactobacillus* isolated pulmonic valve endocarditis with ventricular septal defect detected by transesophageal echocardiography (Puleo et al). 1994;128:1248-50 (Brief comm.)

**Letters**

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**Lipids**

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Evaluation of cardiac function with magnetic resonance imaging (Pattynama et al). 1994;128:595-607 (Prog. cardiol.)

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Myocardial involvement in primary hemochromatosis demonstrated by magnetic resonance imaging (Waxman et al). 1994;128:1047-9 (Brief comm.)

Postoperative evaluation of pulmonary arteries in congenital heart surgery by magnetic resonance imaging: comparison with echocardiography (Duerinckx et al). 1994;128:1139-46

Three-dimensional visualization of velocity profiles in the human main pulmonary artery with magnetic resonance phase-velocity mapping (Sloth et al). 1994;128:1130-8

Usefulness of magnetic resonance imaging for evaluating great-vessel anatomy after arterial switch operation for D-transposition of the great arteries (Hardy et al). 1994;128:326-32

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### Mir cosmonauts

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### Mitochondrial myopathies

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### Mitral valve prolapse

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Three-dimensional transesophageal echocardiography in the diagnosis of mitral valve prolapse (Cheng et al). 1994;128:1218-24 (Prog. cardiol.)

### Mitral valve stenosis

- Assessment of cardiac volumes and left ventricular mass by cine computed tomography before and after mitral balloon commissurotomy (Grover-McKay et al). 1994;128:533-9  
Correlates of spontaneous echo contrast in patients with mitral stenosis and normal sinus rhythm (Bernstein et al). 1994;128:287-92  
Resolution of left atrial thrombus with warfarin by transesophageal echocardiography before percutaneous commissurotomy in mitral stenosis (Pytlewski et al). 1994;128:843-5 (Brief comm.)

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### Mortality

- Does exercise reduce mortality rates in the elderly? Experience from the Framingham Heart Study (Sherman et al). 1994;128:965-72  
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Morbidity and mortality rates in elderly patients undergoing percutaneous coronary transluminal angioplasty (Lindsay et al). 1994;128:697-702  
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### Muscles, abnormalities

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### Muscular dystrophy

- Becker-type muscular dystrophy associated with hypertrophic cardiomyopathy (Hayashi et al). 1994;128:1264-6 (Brief comm.)  
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### Myocardial contraction

- Effect of altered contractility on the linearity of regional left ventricular end-systolic relations in intact hearts (Miller). 1994;128:114-23

### Myocardial diseases

- Cardiac manifestations and their management in Becker's muscular dystrophy (Orlov et al). 1994;128:193-6 (Brief comm.)  
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Angiotensin-converting enzyme inhibitors in patients with coronary atherosclerosis (Pitt). 1994;128:1328-32 (Symposium)  
Early assessment of outcome by ST-segment analysis after thrombolytic therapy in acute myocardial infarction (Dissmann et al). 1994;128:851-8  
Effect of nitrates on the frequency of left ventricular free wall rupture complicating acute myocardial infarction: a case-controlled study (Pollak and Mlczoch). 1994;128:466-71  
Encircling endocardial cryoablation for ventricular tachycardia after myocardial infarction: experience with 33 patients (Guiraudon et al). 1994;128:982-9  
Factors influencing changes in the signal-averaged electrocardiogram within the first year after a first myocardial infarction (de Chillou et al). 1994;128:263-70  
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- Malignant arrhythmias and acute myocardial ischemia: interaction between flecainide and the autonomic nervous system (Stramba-Badiale et al). 1994;128:973-82
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- Preserved  $\beta$ -adrenoceptor-mediated adenylyl cyclase activity despite receptor and postreceptor dysfunction in acute myocardial ischemia (Wolff et al). 1994;128:542-50
- Preventing atherosclerosis and its complications: promising alternatives for the future—introduction (Pitt and Furberg). 1994;128:1299 (Symposium)
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- Identification of viable myocardium in patients with chronic coronary artery disease and left ventricular dysfunction: role of magnetic resonance imaging (Fedele et al). 1994;128:484-9
- Myocardial involvement in primary hemochromatosis demonstrated by magnetic resonance imaging (Waxman et al). 1994;128:1047-9 (Brief comm.)
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- Phenomenon of nitrate tolerance (Mangione and Glasser). 1994;128:137-46 (Curriculum cardi.)

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- Contribution of specific skeletal muscle metabolic abnormalities to limitation of exercise capacity in patients with chronic heart failure: a phosphorus 31 nuclear magnetic resonance study (Chati et al). 1994;128:781-92

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- Characterization of systemic oxygen transport in end-stage chronic congestive heart failure (Rady et al). 1994;128:774-81

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- Pharmacologic stress dual-isotope myocardial perfusion single-photon emission computed tomography (Matzer et al). 1994;128:1067-76
- Thallium-201 redistribution after early reinjection in patients with severe stress perfusion defects and ventricular dysfunction (Galli and Marcassa). 1994;128:41-52

**Pericarditis, constrictive**

- Constrictive pericardial disease caused by epicardial implantable cardiac defibrillator patches: treatment by pericardial stripping and nonthoracotomy lead system implantation (Lurie et al). 1994;128:623-5 (Brief comm.)

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- Pharmacologic stress dual-isotope myocardial perfusion single-photon emission computed tomography (Matzer et al). 1994;128:1067-76

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- $\beta$ -Thromboglobulin plasma levels in the first week after myocardial infarction: influence of thrombolytic therapy (Salvioni et al). 1994;128:472-6

**Platelet aggregation inhibitors**

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### Radiofrequency catheter ablation; see Catheter ablation

### Radionuclide imaging

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- Preserved  $\beta$ -adrenoceptor-mediated adenylyl cyclase activity despite receptor and postreceptor dysfunction in acute myocardial ischemia (Wolff et al). 1994;128:542-50

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### Rehabilitation

- Patients with high baseline exercise capacity benefit from cardiac rehabilitation and exercise training programs (Lavie and Milani). 1994;128:1105-9

### Renin-angiotensin system

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### Reperfusion injury

- Cardioprotective effect of the angiotensin II type 1 receptor antagonist TCV-116 on ischemia-reperfusion injury (Yoshiyama et al). 1994;128:1-6

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- Acknowledgement to reviewers. 1994;128:1061-6

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- Measuring hypertensive cardiovascular risk: the vascular overload concept (Franklin and Weber). 1994;128:793-803 (Curriculum cardiol.)  
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- Transesophageal echocardiographic assessment of the effects of age, gender, and hypertension on thoracic aortic wall size, thickness, and stiffness (Pearson et al). 1994;128:344-51

### Shunting

- Aorta to right atrium fistula with congestive heart failure resulting from a patent Cabrol shunt after repair of aortic dissection (Rosero et al). 1994;128:608-9 (Brief comm.)

### Sick sinus syndrome

- Supernormal atrial conduction and its relation to atrial vulnerability and atrial fibrillation in patients with sick sinus syndrome and paroxysmal atrial fibrillation (Centurion et al). 1994;128:88-95

### Side-branch occlusion; see Arterial occlusive diseases

### Single-photon emission-computed tomography; see Tomography, emission-computed, single-photon

### Sinus of Valsalva

- Intracardiac ultrasonographic imaging to diagnose a ruptured sinus of Valsalva aneurysm (Samaha et al). 1994;128:409-12 (Brief comm.)



**Sinus rhythm; see Heart rate**

**Sinus venosus defects; see Heart defects, congenital**

**Skeletal muscle metabolic abnormalities; see Muscles, abnormalities**

**Skin conductance; see Electric conductance, skin**

# **Smoking**

Thrombin generation as an acute effect of cigarette smoking (Kimura et al). 1994;128:7-11

# **Smoking cessation**

Nonpharmacologic therapy for coronary artery atherosclerosis: results of primary and secondary prevention trials (Amsterdam et al). 1994;128:1344-52 (Symposium)

# **Space flight**

Heart rate dynamics during long-term space flight: report on Mir cosmonauts (Goldberger et al). 1994;128:202-4 (Brief comm.)

**ST-segment; see Electrocardiography**

# **Stents**

Percutaneous transradial artery approach for coronary Palmaz-Schatz stent implantation (Kiemeneij and Laarman). 1994;128:167-74 (Prog. cardiol.)

Self-expandable and highly flexible nitinol stent: immediate and long-term results in dogs (Grenadier et al). 1994;128:870-8

Thrombosis and restenosis after stenting in failed angioplasty: comparison with elective stenting (Foley et al). 1994;128:12-20

# **Stress, psychological**

Use of skin conductance changes during mental stress testing as an index of autonomic arousal in cardiovascular research (Jacobs et al). 1994;128:1170-7

**Stroke; see Cerebrovascular disorders**

# **Stroke volume**

Utility and limitations of biplane transesophageal echocardiographic automated border detection for estimation of left ventricular stroke volume and cardiac output (Katz et al). 1994;128:389-96 (Prog. cardiol.)

**Structural heart disease; see Heart diseases**

# **Studies of Left Ventricular Dysfunction**

Tolerability of enalapril initiation by patients with left ventricular dysfunction: results of the medication challenge phase of the Studies of Left Ventricular Dysfunction (Kostis et al). 1994;128:358-64

# **Subaortic obstruction**

Trans thoracic and transesophageal echocardiographic diagnosis of severe subaortic obstruction produced by an abscess cavity (Sanyal et al). 1994;128:1252-5 (Brief comm.)

# **Substance abuse**

Acute myocardial infarction resulting from amphetamine abuse: A spasm-thrombus interplay? (Bashour). 1994;128:1237-9 (Brief comm.)

**Sudden cardiac death; see Death, sudden, cardiac**

**Supraventricular tachycardia; see Tachycardia, supraventricular**

# **Survival**

Long asymptomatic survival with a bullet adjacent to the left main coronary artery, the only site of atherosclerotic plaque in the coronary tree (Shirani et al). 1994;128:1043-4 (Brief comm.)

Temporal trends and factors associated with extent of delay to hospital arrival in patients with acute myocardial infarction: the Worcester Heart Attack Study (Yarzebski et al). 1994;128:255-63

# **Sympathectomy**

Regional sympathetic denervation detected by iodine 123 metaiodobenzylguanidine in non-Q-wave myocardial infarction and unstable angina (Tomoda et al). 1994;128:452-8

# **Syncope**

Differential therapeutic responses of patients with isoproterenol-dependent and isoproterenol-independent vasodepressor syncope (Lippman et al). 1994;128:1110-6

Effects of  $\beta$ -adrenergic blockade on vasodepressor reaction in patients with vasodepressor syncope (Abe et al). 1994;128:911-8

Syncope as the initial symptom of silent coronary vasospasm (Underwood et al). 1994;128:1241-5 (Brief comm.)

**Systemic oxygen transport; see Oxygen**

# **Systole**

Effect of altered contractility on the linearity of regional left ventricular end-systolic relations in intact hearts (Miller). 1994;128:114-23

# **Systole—Cont'd**

Effects of a novel inotropic agent (OPC-18790) on systolic and diastolic function in patients with severe heart failure (Hoit et al). 1994;128:1156-63

Effects of low-dose flosequinan on left ventricular systolic and diastolic chamber performance (Starling). 1994;128:124-33

Myocardial stunning resulting from systolic coronary artery compression by myocardial bridging (Chambers et al). 1994;128:1036-8 (Brief comm.)

Normalization of cardiac structure and function after regression of cardiac hypertrophy (Habib et al). 1994;128:333-43

Right ventricular dysfunction: an independent predictor of adverse outcome in patients with myocarditis (Mendes et al). 1994;128:301-7

# **T**

**T-wave inversion; see Electrocardiography**

# **Tachycardia**

Clinical and electrophysiologic spectrum of fascicular tachycardias (Gonzalez et al). 1994;128:147-56 (Prog. cardiol.)

# **Tachycardia, atrioventricular nodal reentry**

Efficacy and safety of atrioventricular nodal modification for atrioventricular nodal reentrant tachycardia in the pediatric population (Dhala et al). 1994;128:903-7

Evolving concepts in radiofrequency catheter ablation of atrioventricular nodal reentry tachycardia (Trohman et al). 1994;128:586-95 (Prog. cardiol.)

Late clinical and electrophysiologic outcome of radiofrequency ablation therapy by the inferior approach in atrioventricular node reentry tachycardia (Wang et al). 1994;128:219-26

Radiofrequency ablation therapy in atypical or multiple atrioventricular node reentry tachycardias (Yeh et al). 1994;128:742-58

# **Tachycardia, paroxysmal supraventricular**

Pseudorecurrence of paroxysmal supraventricular tachycardia after radiofrequency catheter ablation (Grossman et al). 1994;128:516-9

# **Tachycardia, supraventricular**

Physiologic role of atrio-Hisian and nodo-Hisian bypass tracts in supraventricular tachycardia (Stein et al). 1994;128:759-68

# **Tachycardia, ventricular**

Changes in myocardial metabolism and transcardiac electrolytes during simulated ventricular tachycardia: effects of  $\beta$ -adrenergic blockade (Pehkurinen et al). 1994;128:96-105

Encircling endocardial cryoablation for ventricular tachycardia after myocardial infarction: experience with 33 patients (Guiraudon et al). 1994;128:982-9

Incidence, presentation, diagnosis, and management of malfunctioning implantable cardioverter-defibrillator rate-sensing leads (Daoud et al). 1994;128:892-5

Right ventricular outflow tract ventricular tachycardia associated with an aneurysmal malformation: use of transesophageal echocardiography during low-energy direct-current ablation (Gill et al). 1994;128:620-3 (Brief comm.)

Ventricular fibrillation after successful radiofrequency catheter ablation of idiopathic right ventricular tachycardia (Lacroix et al). 1994;128:1044-5 (Brief comm.)

# **TCV-116; see Angiotensin II**

# **Thallium**

Dobutamine echocardiography and resting-redistribution thallium-201 scintigraphy predicts recovery of hibernating myocardium after coronary revascularization (Charney et al). 1994;128:864-9

Evaluation of a nine-lead Holter monitor for identifying and localizing ischemia and coronary artery disease detected by quantitative thallium-201 tomography (Tanabe et al). 1994;128:956-65

Thallium-201 redistribution after early reinjection in patients with severe stress perfusion defects and ventricular dysfunction (Galli and Marcassa). 1994;128:41-52

# **Theophylline**

Theophylline reverses high-grade atrioventricular block resulting from cardiac transplant rejection (Haught et al). 1994;128:1255-7 (Brief comm.)

# **Thermal conductivity**

Effects of low-grade conductive heating on vascular compliance during in vitro balloon angioplasty (Mitchel et al). 1994;128:21-7

### Thermodilution

Thermodilution left-sided cardiac output for valve area determination after balloon mitral valvotomy (Gamra et al). 1994;128:934-40

### Thoracic aorta; *see* Aorta, thoracic

### Three-dimensional transesophageal echocardiography; *see* Echocardiography, transesophageal

### Thrombin

Thrombin generation as an acute effect of cigarette smoking (Kimura et al). 1994;128:7-11

### Thromboembolism

Bedside coagulation monitoring in heparin-treated patients with active thromboembolic disease: a coronary care unit experience (Becker et al). 1994;128:719-23

Massive thromboembolic stroke and death after fibrinolytic therapy of St. Jude prosthetic mitral valve thrombosis: documentation by transthoracic Doppler echocardiography (Pape et al). 1994;128:406-9 (Brief comm.)

### Thrombolysis, therapeutic; *see* Thrombolytic therapy

### Thrombolytic therapy

Early assessment of outcome by ST-segment analysis after thrombolytic therapy in acute myocardial infarction (Dissmann et al). 1994;128:851-8

Limb-compartmental syndrome with thrombolysis (Rudoff et al). 1994;128:1267-8 (Letter)

Massive thromboembolic stroke and death after fibrinolytic therapy of St. Jude prosthetic mitral valve thrombosis: documentation by transthoracic Doppler echocardiography (Pape et al). 1994;128:406-9 (Brief comm.)

Myocardial infarction, aortic dissection, and thrombolytic therapy (Kamp et al). 1994;128:1234-7 (Brief comm.)

$\beta$ -Thromboglobulin plasma levels in the first week after myocardial infarction: influence of thrombolytic therapy (Salvioni et al). 1994;128:472-6

### Thrombosis

Acute myocardial infarction resulting from amphetamine abuse: A spasm-thrombus interplay? (Bashour). 1994;128:1237-9 (Brief comm.)

Histopathologic correlates of unstable ischemic syndromes in patients undergoing directional coronary atherectomy: in vivo evidence of thrombosis, ulceration, and inflammation (DiSciascio et al). 1994;128:419-26

Left ventricular pseudocyst caused by intraventricular thrombus: comparative echocardiographic and pathologic features (Massey et al). 1994;128:831-3 (Brief comm.)

Primary antiphospholipid syndrome and mitral valve thrombosis (Nickele et al). 1994;128:1245-7 (Brief comm.)

Resolution of left atrial thrombus with warfarin by transesophageal echocardiography before percutaneous commissurotomy in mitral stenosis (Pylewski et al). 1994;128:843-5 (Brief comm.)

Thrombosis and restenosis after stenting in failed angioplasty: comparison with elective stenting (Foley et al). 1994;128:12-20

### Thyrotoxicosis

Thyrotoxicosis associated with reversible dilated cardiomyopathy (Safirstein et al). 1994;128:616-7 (Brief comm.)

### Tilt test

Differential therapeutic responses of patients with isoproterenol-dependent and isoproterenol-independent vasodepressor syncope (Lippman et al). 1994;128:1110-6

Hemodynamic and volumetric response of the normal left ventricle to upright tilt testing (Nwosu et al). 1994;128:106-13

### Tomography

Evaluation of a nine-lead Holter monitor for identifying and localizing ischemia and coronary artery disease detected by quantitative thallium-201 tomography (Tanabe et al). 1994;128:956-65

### Tomography, emission-computed

Ischemic hibernating myocardium demonstrated by positron emission tomography in anomalous origin of the left coronary artery from the pulmonary artery (Brezinski et al). 1994;128:181-5 (Brief comm.)

### Tomography, emission-computed, single-photon

Pharmacologic stress dual-isotope myocardial perfusion single-photon emission computed tomography (Matzer et al). 1994;128:1067-76

Synergistic value of simultaneous stress dobutamine sestamibi single-photon-emission computerized tomography and echocardiography in the detection of coronary artery disease (Senior et al). 1994;128:713-8

### Tomography, x-ray computed

Assessment of cardiac volumes and left ventricular mass by cine computed tomography before and after mitral balloon commissurotomy (Grover-McKay et al). 1994;128:533-9

### Torsemide

Dose-response study of intravenous torsemide in congestive heart failure (Hariman et al). 1994;128:352-7

### Transaortic approach; *see* Aorta

### Transcardiac electrolytes; *see* Electrolytes

### Transesophageal echocardiography; *see* Echocardiography, transesophageal

### Transluminal coronary extraction atherectomy; *see* Atherectomy, coronary

### Transposition of great vessels

Usefulness of magnetic resonance imaging for evaluating great-vessel anatomy after arterial switch operation for D-transposition of the great arteries (Hardy et al). 1994;128:326-32

### Transseptal approach; *see* Heart septum

### Transthoracic echocardiography; *see* Echocardiography

### Treadmill test; *see* Exercise test

### Tricuspid regurgitation; *see* Tricuspid valve insufficiency

### Tricuspid valve

Percutaneous valvuloplasty to relieve stenosis of a bioprosthetic tricuspid valve in a patient with bacterial endocarditis (MacGregor et al). 1994;128:199-202 (Brief comm.)

### Tricuspid valve insufficiency

Effective regurgitant orifice area in tricuspid regurgitation: clinical implementation and follow-up study (Rivera et al). 1994;128:927-33

### Twiddler's syndrome; *see* Equipment failure

### Twins, monozygotic

Late-onset idiopathic dilated cardiomyopathy in identical twins (Twidale et al). 1994;128:839-41 (Brief comm.)

### Two-dimensional transesophageal echocardiography; *see* Echocardiography, transesophageal

### Two-dimensional ultrasound; *see* Ultrasonography

## U

### Ulcer

Histopathologic correlates of unstable ischemic syndromes in patients undergoing directional coronary atherectomy: in vivo evidence of thrombosis, ulceration, and inflammation (DiSciascio et al). 1994;128:419-26

Penetrating atherosclerotic aortic ulcers (Movsowitz et al). 1994;128:1210-7 (Curriculum cardi.)

### Ultrasonography

Angiographic changes (Dotter effect) produced by intravascular ultrasound imaging before coronary angioplasty (Alfonso et al). 1994;128:244-51

Detection of intralésional calcium by intracoronary ultrasound depends on the histologic pattern (Friedrich et al). 1994;128:435-41

Intracardiac ultrasonographic imaging to diagnose a ruptured sinus of Valsalva aneurysm (Samaha et al). 1994;128:409-12 (Brief comm.)

Intracoronary ultrasound imaging: intraobserver and interobserver variability of morphometric measurements (Hausmann et al). 1994;128:674-80

Intravascular ultrasound can assist angiographic assessment of coarctation of the aorta (DeGroot et al). 1994;128:836-9 (Brief comm.)

Intravascular ultrasound evaluation of interventional techniques in a calcified ostial right coronary artery (Lee et al). 1994;128:175-8 (Brief comm.)

Measurement of volumetric coronary blood flow by simultaneous intravascular two-dimensional and Doppler ultrasound: validation in an animal model (Chou et al). 1994;128:237-43

Predictors of restenosis: a morphometric and quantitative evaluation by intravascular ultrasound (Jain et al). 1994;128:664-73

### Ultrastructural abnormalities, ventricular; *see* Heart ventricle

### Ultrastructural abnormalities, ventricular; *see* Heart ventricle

### Unstable angina; *see* Angina, unstable

### Unstable ischemia syndrome; *see* Ischemia

**Urokinase**

Urokinase resolution of impending paradoxical embolus in transit: evaluation by multiplane transesophageal echocardiography (Daley et al). 1994;128:1239-41 (Brief comm.)

**V****Valvuloplasty; see Balloon dilatation****Variant angina; see Angina pectoris, variant****Vascular diseases**

Cardiomyopathy and angiopathy in patients with mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes (Sato et al). 1994;128:733-41

**Vascular overload; see Blood pressure****Vascular resistance**

Effects of  $\beta$ -adrenergic blockade on vasodepressor reaction in patients with vasodepressor syncope (Abe et al). 1994;128:911-8

**Vasoconstriction**

Coronary artery vasoconstriction after successful single angioplasty of the left anterior descending artery (Indolfi et al). 1994;128:858-64

**Vasodepressor syncope; see Syncope****Vasodilation**

Attenuated endothelium-dependent peripheral vasodilation and clinical characteristics in patients with chronic heart failure (Nakamura et al). 1994;128:1164-9

Effects of continuous intravenous infusion of isosorbide dinitrate on development of tolerance to vasodilating action in human epicardial coronary arteries (Kai et al). 1994;128:230-6

**Vasodilator agents**

Influence of flosequinan on autonomic tone in congestive heart failure: implications for the mechanism of the positive chronotropic effect and survival influence of long-term vasodilator administration (Binkley et al). 1994;128:1147-56

Phenomenon of nitrate tolerance (Mangione and Glasser). 1994;128:137-46 (Curriculum cardiol.)

**Vegetations; see Endocarditis, bacterial****Ventricular aneurysmectomy; see Heart aneurysm****Ventricular arrhythmia; see Arrhythmia****Ventricular fibrillation**

Implantable cardioverter-defibrillator therapy in 300 patients with coronary artery disease presenting exclusively with ventricular fibrillation (Lessmeier et al). 1994;128:211-8

Ventricular fibrillation after successful radiofrequency catheter ablation of idiopathic right ventricular tachycardia (Lacroix et al). 1994;128:1044-5 (Brief comm.)

**Ventricular fistula; see Fistula****Ventricular free wall rupture; see Heart rupture****Ventricular function**

Acute cocaine administration induces ventricular regional wall motion and ultrastructural abnormalities in an anesthetized rabbit model (Gardin et al). 1994;128:1117-29

Increased plasma atrial natriuretic peptide levels after heart transplant: relation to ventricular expression and severity of rejection (Rubin et al). 1994;128:769-73

Myocardial stunning resulting from systolic coronary artery compression by myocardial bridging (Chambers et al). 1994;128:1036-8 (Brief comm.)

Normalization of cardiac structure and function after regression of cardiac hypertrophy (Habib et al). 1994;128:333-43

Thallium-201 redistribution after early reinjection in patients with severe stress perfusion defects and ventricular dysfunction (Galli and Marcassa). 1994;128:41-52

**Ventricular function, left**

Effect of altered contractility on the linearity of regional left ventricular end-systolic relations in intact hearts (Miller). 1994;128:114-23

Effects of low-dose flosequinan on left ventricular systolic and diastolic chamber performance (Starling). 1994;128:124-33

Histomorphometric features predict 1-year outcome of patients with idiopathic dilated cardiomyopathy considered to be at low priority for cardiac transplantation (Pelliccia et al). 1994;128:316-25

Identification of viable myocardium in patients with chronic coronary artery disease and left ventricular dysfunction: role of magnetic resonance imaging (Fedele et al). 1994;128:484-9

Tolerability of enalapril initiation by patients with left ventricular dysfunction: results of the medication challenge phase of the Studies of Left Ventricular Dysfunction (Kostis et al). 1994;128:358-64

**Ventricular function, right**

Right ventricular dysfunction: an independent predictor of adverse outcome in patients with myocarditis (Mendes et al). 1994;128:301-7

**Ventricular septal defect; see Heart septal defects, ventricular****Ventricular tachycardia; see Tachycardia, ventricular****Ventricular ultrastructural abnormalities; see Heart ventricle****Ventricular volume; see Cardiac volume****Ventricular wall motion; see Ventricular function****Ventriculography; see Radionuclide ventriculography****Verapamil**

Symptomatic Japanese-type apical hypertrophic cardiomyopathy in a non-Asian patient: favorable response to treatment with verapamil (Zack and Blausey). 1994;128:613-6 (Brief comm.)

**Vitamins, antioxidant; see Antioxidants****Volumetric blood flow; see Blood flow velocity****W****Warfarin**

Resolution of left atrial thrombus with warfarin by transesophageal echocardiography before percutaneous commissurotomy in mitral stenosis (Pytlewski et al). 1994;128:843-5 (Brief comm.)

**Wasp stings; see Insect bites and stings****Wolff-Parkinson-White syndrome**

Cardiac depolarization and repolarization in the Wolff-Parkinson-White syndrome (Steurer et al). 1994;128:908-11

Radiofrequency catheter ablation used to unmask infarction Q waves in Wolff-Parkinson-White syndrome (Preminger et al). 1994;128:1040-2 (Brief comm.)

**Women**

Physical activity and mortality in women in the Framingham Heart Study (Sherman et al). 1994;128:879-84

**Worcester Heart Attack Study**

Temporal trends and factors associated with extent of delay to hospital arrival in patients with acute myocardial infarction: the Worcester Heart Attack Study (Yarzebski et al). 1994;128:255-63

**Wounds, gunshot**

Long asymptomatic survival with a bullet adjacent to the left main coronary artery, the only site of atherosclerotic plaque in the coronary tree (Shirani et al). 1994;128:1043-4 (Brief comm.)



